

NEWFIELD



Route #3 Box 3630
Myton, Utah 84052
(435) 646-4825, FAX: (435) 646-3031

July 14, 2008

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill
Greater Boundary II Federal M-28-8-17
Greater Boundary II Federal Q-34-8-17
Sand Wash Federal M-31-8-17
Sand Wash Federal N-31-8-17
Sand Wash Federal R-31-8-17

Dear Diana:

Enclosed find APD's on the above referenced wells. Our Land Department will send you the required Directional Drill Letters. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

A handwritten signature in cursive script, reading "Mandie Crozier".

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
JUL 17 2008
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

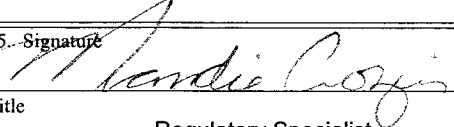

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76241
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Boundary II Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Boundary II Federal M-28-8-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34029
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SE 2018' FSL 1978' FEL At proposed prod. zone 2502' FSL 2480' FWL NESW		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 13.3 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 28, T8S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2480' f/lse, 2502' f/unit	16. No. of Acres in lease 1880.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1405'	19. Proposed Depth 6445'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5207' GL	22. Approximate date work will start* 4th Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 7/14/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 07-31-08
Title Office	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED

JUL 17 2008

DIV. OF OIL, GAS & MINING

for f

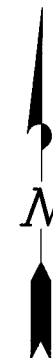
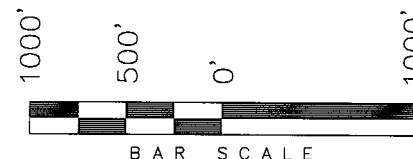
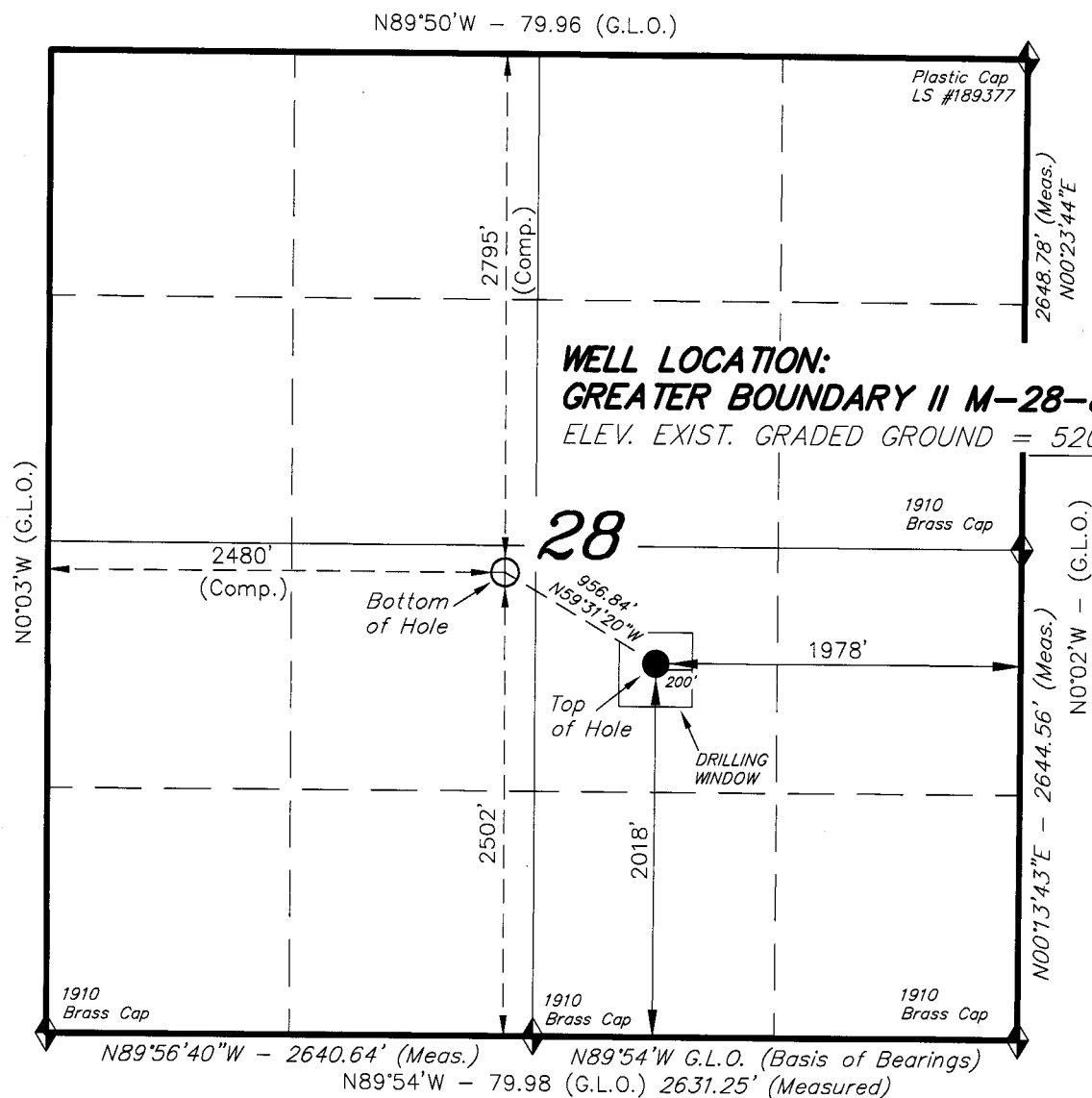
BHL

584538X
4437711Y
40.687326
-110.008391

584289X
4437854Y
40.688644
-110.611300


NEWFIELD PRODUCTION COMPANY

WELL LOCATION, GREATER BOUNDARY II
M-28-8-17, LOCATED AS SHOWN IN THE
NW 1/4 SE 1/4 OF SECTION 28, T8S,
R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE DEED WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEY
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE AND BELIEF. No. 189377


STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

 = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

GREATER BOUNDARY II M-28-8-17
(Surface Location) NAD 83
LATITUDE = 40° 05' 14.04"
LONGITUDE = 110° 00' 32.96"

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 02-26-08	SURVEYED BY: T.H.
DATE DRAWN: 03-26-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL M-28-8-17
AT SURFACE: NW/SE SECTION 28, T8S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1709'
Green River	1709'
Wasatch	6445'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1709' – 6445' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL M-28-8-17
AT SURFACE: NW/SE SECTION 28, T8S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Greater Boundary II Federal M-28-8-17 located in the NW 1/4 SE 1/4 Section 28, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 9.8 miles \pm to it's junction with an existing dirt road to the northeast; proceed northeasterly - 2.0 miles \pm to it's junction with the beginning of the access road to the existing Tar Sands Federal 10-28-8-17well lcoation.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Tar Sands Federal 10-28-8-17well pad. See attached **Topographic Map "B"**.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the Tar Sands Federal 10-28-8-17well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Greater Boundary II Federal M-28-8-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-10136

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Greater Boundary II Federal M-28-8-17 will be drilled off of the existing Tar Sands Federal 10-28-8-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 150' of disturbed area be granted in Lease UTU-76241 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for the 340' of proposed water injection line are attached. Report #1026-01, 12/4/97. The Paleontological Resource Survey will be forthcoming. See attached report cover page, **Exhibit "D"**.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

None for the proposed Greater Boundary II Federal M-28-8-17 location

Reserve Pit Liner

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre

Details of the On-Site Inspection

The proposed Greater Boundary II Federal M-28-8-17 was on-sited on 5/14/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management), Dan Emmett (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Dave Allred
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

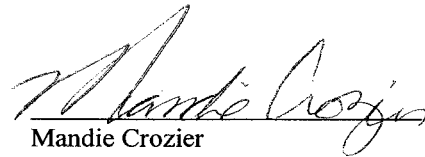
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #M-28-8-17 NW/SE Section 28, Township 8S, Range 17E: Lease UTU-76241 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

7/14/08

Date



Mandie Crozier
Regulatory Specialist
Newfield Production Company



Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II M-28-8-17
Wellbore: OH
Design: Plan #1

Newfield Exploration Co.

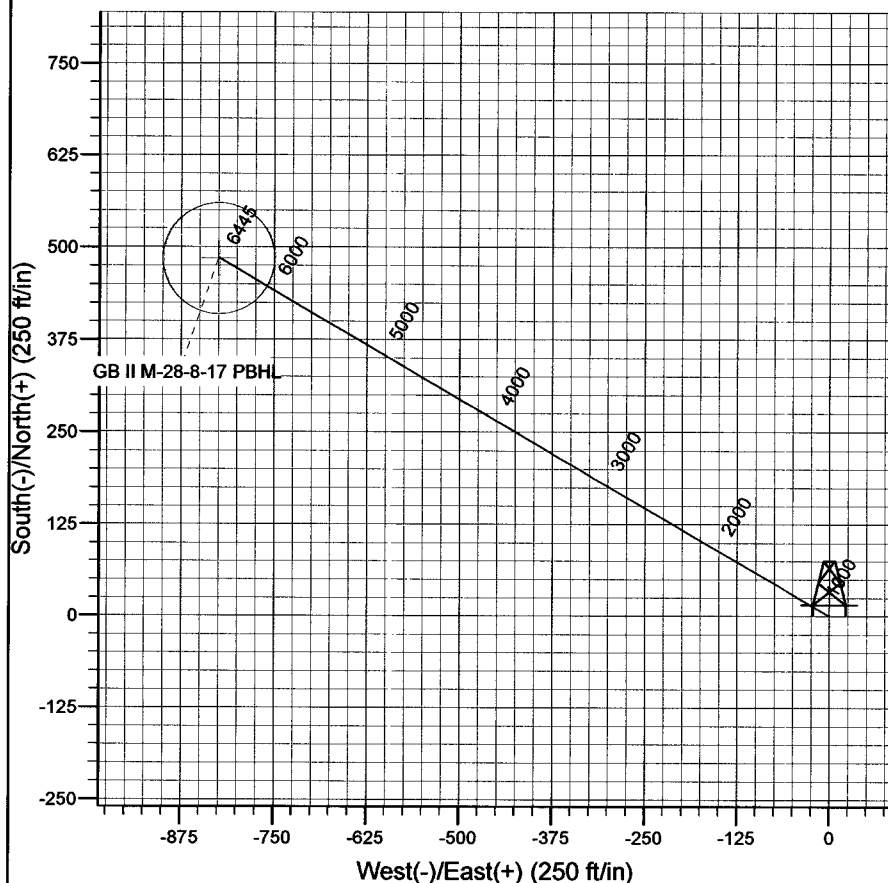
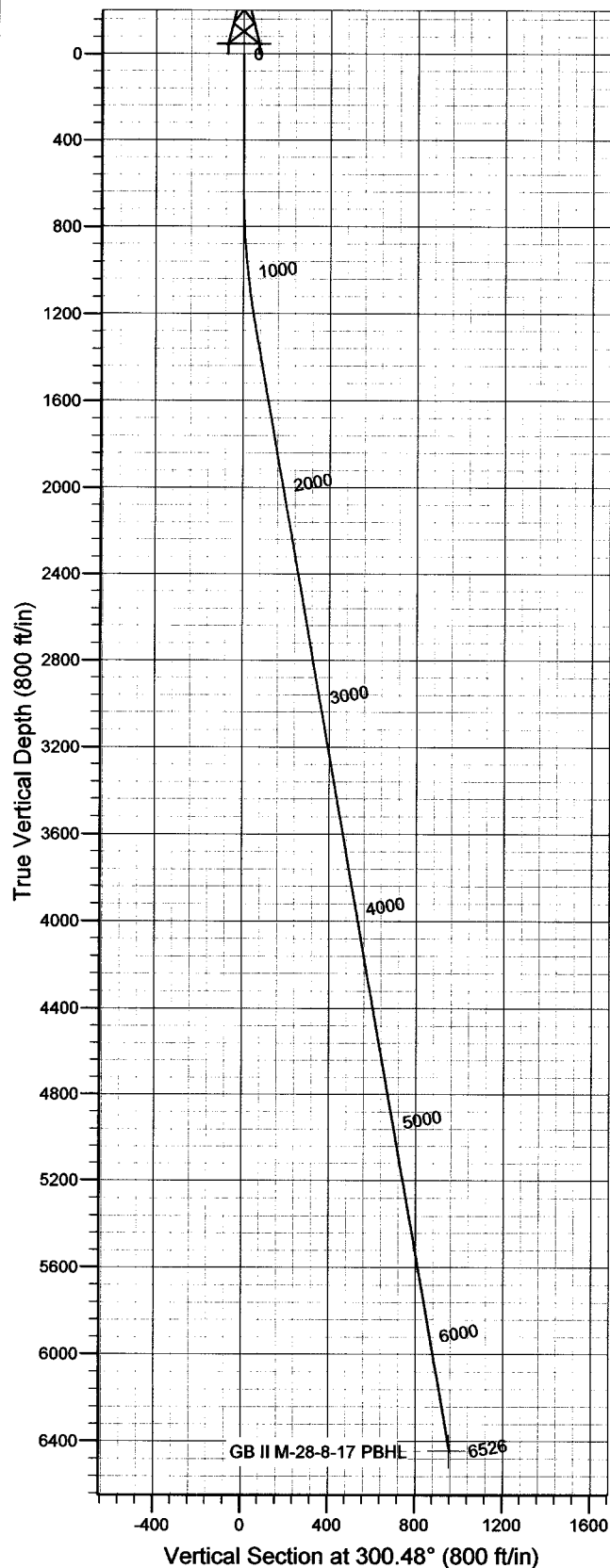


Azimuths to True North
Magnetic North: 11.67°

Magnetic Field
Strength: 52626.3snT
Dip Angle: 65.92°
Date: 2008-06-10
Model: IGRF2005-10

WELL DETAILS: Greater Boundary II M-28-8-17

GL 5207' & RKB 12' @ 5219.00ft 5207.00
+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 7203989.30 2057510.78 40° 5' 14.040 N 110° 0' 32.960 W



Plan: Plan #1 (Greater Boundary II M-28-8-17/OH)

Created By: Julie Cruse Date: 2008-06-10

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
Location:
System Datum: Mean Sea Level
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1256.04	9.84	300.48	1252.82	28.51	-48.43	1.50	300.48	56.20	
6525.75	9.84	300.48	6445.00	485.35	-824.61	0.00	0.00	956.84	GB II M-28-8-17 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Greater Boundary II

Greater Boundary II M-28-8-17

OH

Plan: Plan #1

Standard Planning Report

10 June, 2008

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II M-28-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary II M-28-8-17
TVD Reference: GL 5207' &RKB 12' @ 5219.00ft
MD Reference: GL 5207' &RKB 12' @ 5219.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Duchesne County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Greater Boundary II,		
Site Position:		Northing:	7,206,865.99 ft
From:	Lat/Long	Easting:	2,065,248.74 ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	40° 5' 41.180 N
		Longitude:	109° 58' 52.780 W
		Grid Convergence:	0.97 °

Well	Greater Boundary II M-28-8-17, 2018' FSL 1978' FEL Sec 28 T8S R17E		
Well Position	+N/-S	0.00 ft	Northing: 7,203,989.30 ft
	+E/-W	0.00 ft	Easting: 2,057,510.78 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 5' 14.040 N
		Longitude:	110° 0' 32.960 W
		Ground Level:	5,207.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-06-10	11.67	65.92	52,626

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	300.48

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,256.04	9.84	300.48	1,252.82	28.51	-48.43	1.50	1.50	0.00	300.48	
6,525.75	9.84	300.48	6,445.00	485.35	-824.61	0.00	0.00	0.00	0.00	GB II M-28-8-17 PBH

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II M-28-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary II M-28-8-17
TVD Reference: GL 5207' &RKB 12' @ 5219.00ft
MD Reference: GL 5207' &RKB 12' @ 5219.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	300.48	699.99	0.66	-1.13	1.31	1.50	1.50	0.00
800.00	3.00	300.48	799.91	2.66	-4.51	5.23	1.50	1.50	0.00
900.00	4.50	300.48	899.69	5.97	-10.15	11.77	1.50	1.50	0.00
1,000.00	6.00	300.48	999.27	10.61	-18.03	20.92	1.50	1.50	0.00
1,100.00	7.50	300.48	1,098.57	16.58	-28.16	32.68	1.50	1.50	0.00
1,200.00	9.00	300.48	1,197.54	23.85	-40.53	47.03	1.50	1.50	0.00
1,256.04	9.84	300.48	1,252.82	28.51	-48.43	56.20	1.50	1.50	0.00
1,300.00	9.84	300.48	1,296.13	32.32	-54.91	63.71	0.00	0.00	0.00
1,400.00	9.84	300.48	1,394.66	40.99	-69.64	80.80	0.00	0.00	0.00
1,500.00	9.84	300.48	1,493.19	49.66	-84.37	97.89	0.00	0.00	0.00
1,600.00	9.84	300.48	1,591.72	58.32	-99.09	114.99	0.00	0.00	0.00
1,700.00	9.84	300.48	1,690.25	66.99	-113.82	132.08	0.00	0.00	0.00
1,800.00	9.84	300.48	1,788.78	75.66	-128.55	149.17	0.00	0.00	0.00
1,900.00	9.84	300.48	1,887.30	84.33	-143.28	166.26	0.00	0.00	0.00
2,000.00	9.84	300.48	1,985.83	93.00	-158.01	183.35	0.00	0.00	0.00
2,100.00	9.84	300.48	2,084.36	101.67	-172.74	200.44	0.00	0.00	0.00
2,200.00	9.84	300.48	2,182.89	110.34	-187.47	217.53	0.00	0.00	0.00
2,300.00	9.84	300.48	2,281.42	119.01	-202.20	234.62	0.00	0.00	0.00
2,400.00	9.84	300.48	2,379.95	127.68	-216.93	251.71	0.00	0.00	0.00
2,500.00	9.84	300.48	2,478.48	136.35	-231.66	268.80	0.00	0.00	0.00
2,600.00	9.84	300.48	2,577.01	145.02	-246.39	285.89	0.00	0.00	0.00
2,700.00	9.84	300.48	2,675.53	153.69	-261.11	302.98	0.00	0.00	0.00
2,800.00	9.84	300.48	2,774.06	162.35	-275.84	320.08	0.00	0.00	0.00
2,900.00	9.84	300.48	2,872.59	171.02	-290.57	337.17	0.00	0.00	0.00
3,000.00	9.84	300.48	2,971.12	179.69	-305.30	354.26	0.00	0.00	0.00
3,100.00	9.84	300.48	3,069.65	188.36	-320.03	371.35	0.00	0.00	0.00
3,200.00	9.84	300.48	3,168.18	197.03	-334.76	388.44	0.00	0.00	0.00
3,300.00	9.84	300.48	3,266.71	205.70	-349.49	405.53	0.00	0.00	0.00
3,400.00	9.84	300.48	3,365.24	214.37	-364.22	422.62	0.00	0.00	0.00
3,500.00	9.84	300.48	3,463.76	223.04	-378.95	439.71	0.00	0.00	0.00
3,600.00	9.84	300.48	3,562.29	231.71	-393.68	456.80	0.00	0.00	0.00
3,700.00	9.84	300.48	3,660.82	240.38	-408.40	473.89	0.00	0.00	0.00
3,800.00	9.84	300.48	3,759.35	249.05	-423.13	490.98	0.00	0.00	0.00
3,900.00	9.84	300.48	3,857.88	257.71	-437.86	508.08	0.00	0.00	0.00
4,000.00	9.84	300.48	3,956.41	266.38	-452.59	525.17	0.00	0.00	0.00
4,100.00	9.84	300.48	4,054.94	275.05	-467.32	542.26	0.00	0.00	0.00
4,200.00	9.84	300.48	4,153.46	283.72	-482.05	559.35	0.00	0.00	0.00
4,300.00	9.84	300.48	4,251.99	292.39	-496.78	576.44	0.00	0.00	0.00
4,400.00	9.84	300.48	4,350.52	301.06	-511.51	593.53	0.00	0.00	0.00
4,500.00	9.84	300.48	4,449.05	309.73	-526.24	610.62	0.00	0.00	0.00
4,600.00	9.84	300.48	4,547.58	318.40	-540.97	627.71	0.00	0.00	0.00
4,700.00	9.84	300.48	4,646.11	327.07	-555.69	644.80	0.00	0.00	0.00
4,800.00	9.84	300.48	4,744.64	335.74	-570.42	661.89	0.00	0.00	0.00
4,900.00	9.84	300.48	4,843.17	344.41	-585.15	678.98	0.00	0.00	0.00
5,000.00	9.84	300.48	4,941.69	353.08	-599.88	696.08	0.00	0.00	0.00
5,100.00	9.84	300.48	5,040.22	361.74	-614.61	713.17	0.00	0.00	0.00
5,200.00	9.84	300.48	5,138.75	370.41	-629.34	730.26	0.00	0.00	0.00

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II M-28-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary II M-28-8-17
TVD Reference: GL 5207' &RKB 12' @ 5219.00ft
MD Reference: GL 5207' &RKB 12' @ 5219.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	9.84	300.48	5,237.28	379.08	-644.07	747.35	0.00	0.00	0.00
5,400.00	9.84	300.48	5,335.81	387.75	-658.80	764.44	0.00	0.00	0.00
5,500.00	9.84	300.48	5,434.34	396.42	-673.53	781.53	0.00	0.00	0.00
5,600.00	9.84	300.48	5,532.87	405.09	-688.26	798.62	0.00	0.00	0.00
5,700.00	9.84	300.48	5,631.39	413.76	-702.99	815.71	0.00	0.00	0.00
5,800.00	9.84	300.48	5,729.92	422.43	-717.71	832.80	0.00	0.00	0.00
5,900.00	9.84	300.48	5,828.45	431.10	-732.44	849.89	0.00	0.00	0.00
6,000.00	9.84	300.48	5,926.98	439.77	-747.17	866.98	0.00	0.00	0.00
6,100.00	9.84	300.48	6,025.51	448.44	-761.90	884.07	0.00	0.00	0.00
6,200.00	9.84	300.48	6,124.04	457.11	-776.63	901.17	0.00	0.00	0.00
6,300.00	9.84	300.48	6,222.57	465.77	-791.36	918.26	0.00	0.00	0.00
6,400.00	9.84	300.48	6,321.10	474.44	-806.09	935.35	0.00	0.00	0.00
6,500.00	9.84	300.48	6,419.62	483.11	-820.82	952.44	0.00	0.00	0.00
6,525.75	9.84	300.48	6,445.00	485.35	-824.61	956.84	0.00	0.00	0.00

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
GB II M-28-8-17 PBHL	0.00	0.00	6,445.00	485.35	-824.61	7,204,460.83	2,056,678.19	40° 5' 18.837 N	110° 0' 43.571 W
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 75.00)									

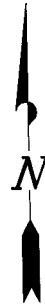
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

GREATER BOUNDARY II M-28-8-17 (Proposed Well)

GREATER BOUNDARY II 10-28-8-17 (Existing Well)

Pad Location: NWSE Section 28, T8S, R17E, S.L.B.&M.

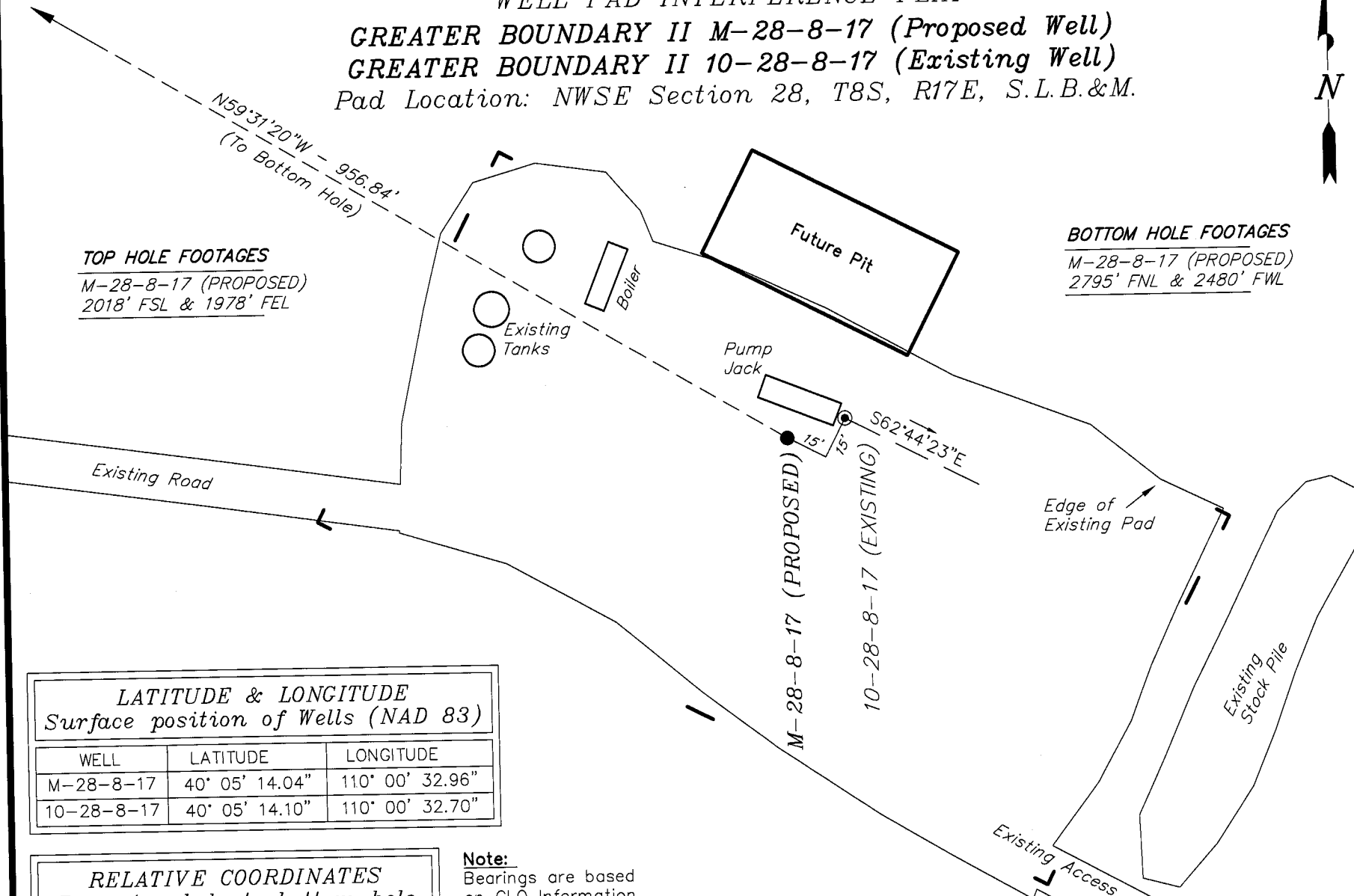


TOP HOLE FOOTAGES

M-28-8-17 (PROPOSED)
2018' FSL & 1978' FEL

BOTTOM HOLE FOOTAGES

M-28-8-17 (PROPOSED)
2795' FNL & 2480' FWL



LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
M-28-8-17	40° 05' 14.04"	110° 00' 32.96"
10-28-8-17	40° 05' 14.10"	110° 00' 32.70"

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
M-28-8-17	485'	-825'

Note:

Bearings are based
on GLO Information.

SURVEYED BY: T.H.	DATE SURVEYED: 02-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 03-26-08
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.

(435) 781-2501

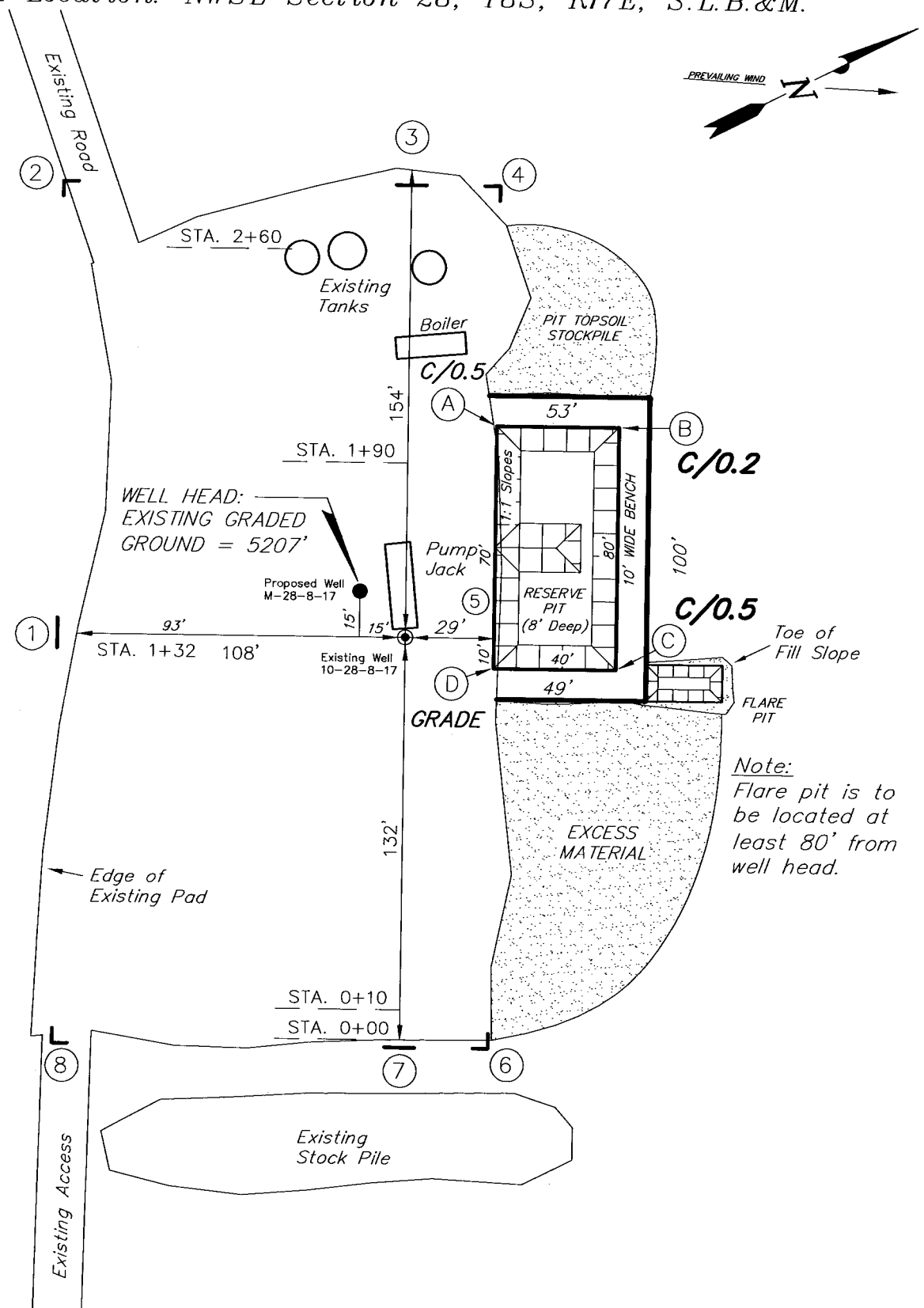
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

GREATER BOUNDARY II M-28-8-17 (Proposed Well)

GREATER BOUNDARY II 10-28-8-17 (Existing Well)

Pad Location: NWSE Section 28, T8S, R17E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 02-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 03-26-08
SCALE: 1" = 50'	REVISED:

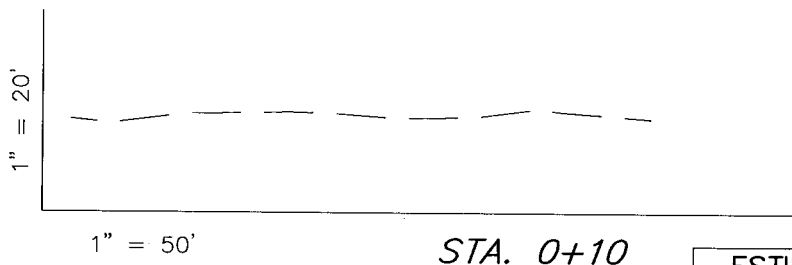
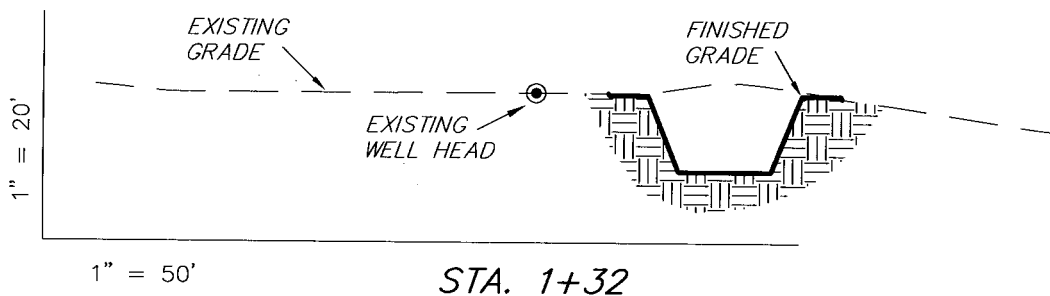
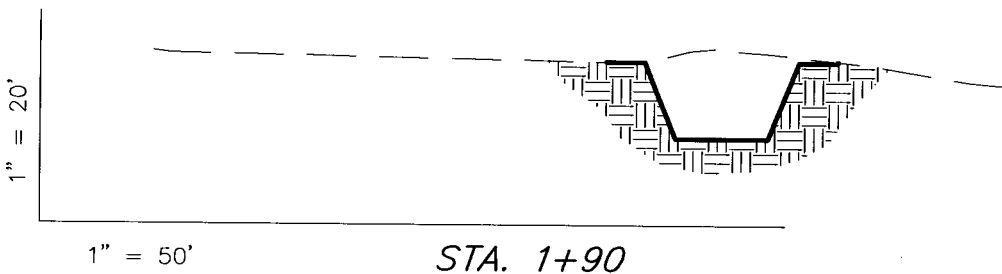
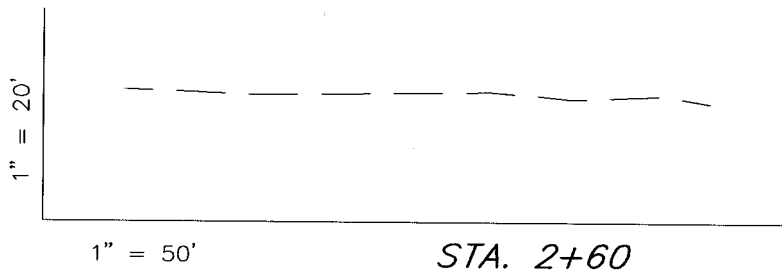
Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEW FIELD PRODUCTION COMPANY

CROSS SECTIONS

GREATER BOUNDARY II M-28-8-17 (Proposed Well)

GREATER BOUNDARY II 10-28-8-17 (Existing Well)



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	150	20	Topsoil is not included in Pad Cut	130
PIT	640	0		640
TOTALS	790	20	120	770

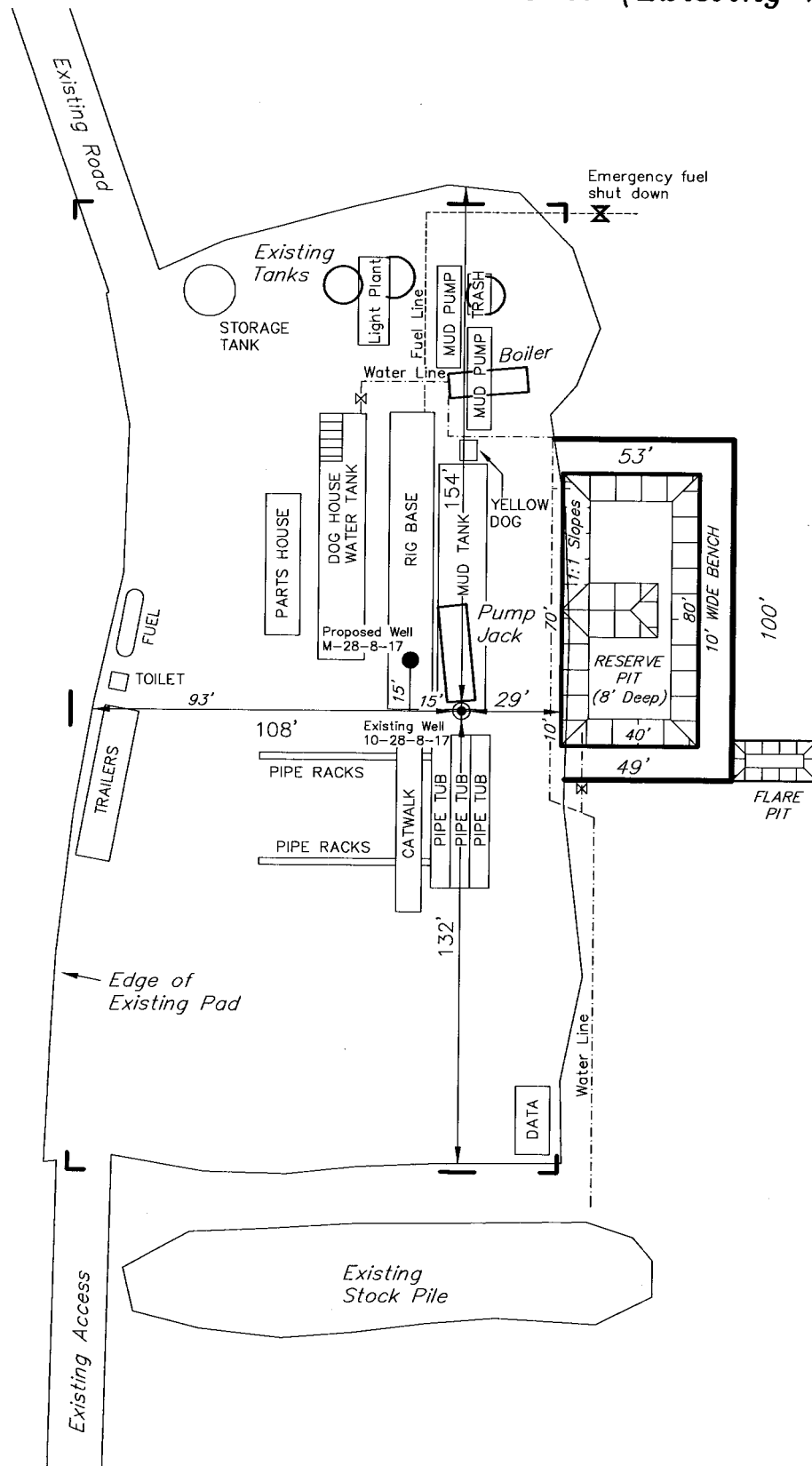
SURVEYED BY: T.H.	DATE SURVEYED: 02-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 03-26-08
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

GREATER BOUNDARY II M-28-8-17 (Proposed Well)
GREATER BOUNDARY II 10-28-8-17 (Existing Well)



Note:
Flare pit is to
be located at
least 80' from
well head.

SURVEYED BY: T.H.	DATE SURVEYED: 02-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 03-26-08
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Newfield Production Company Proposed Site Facility Diagram

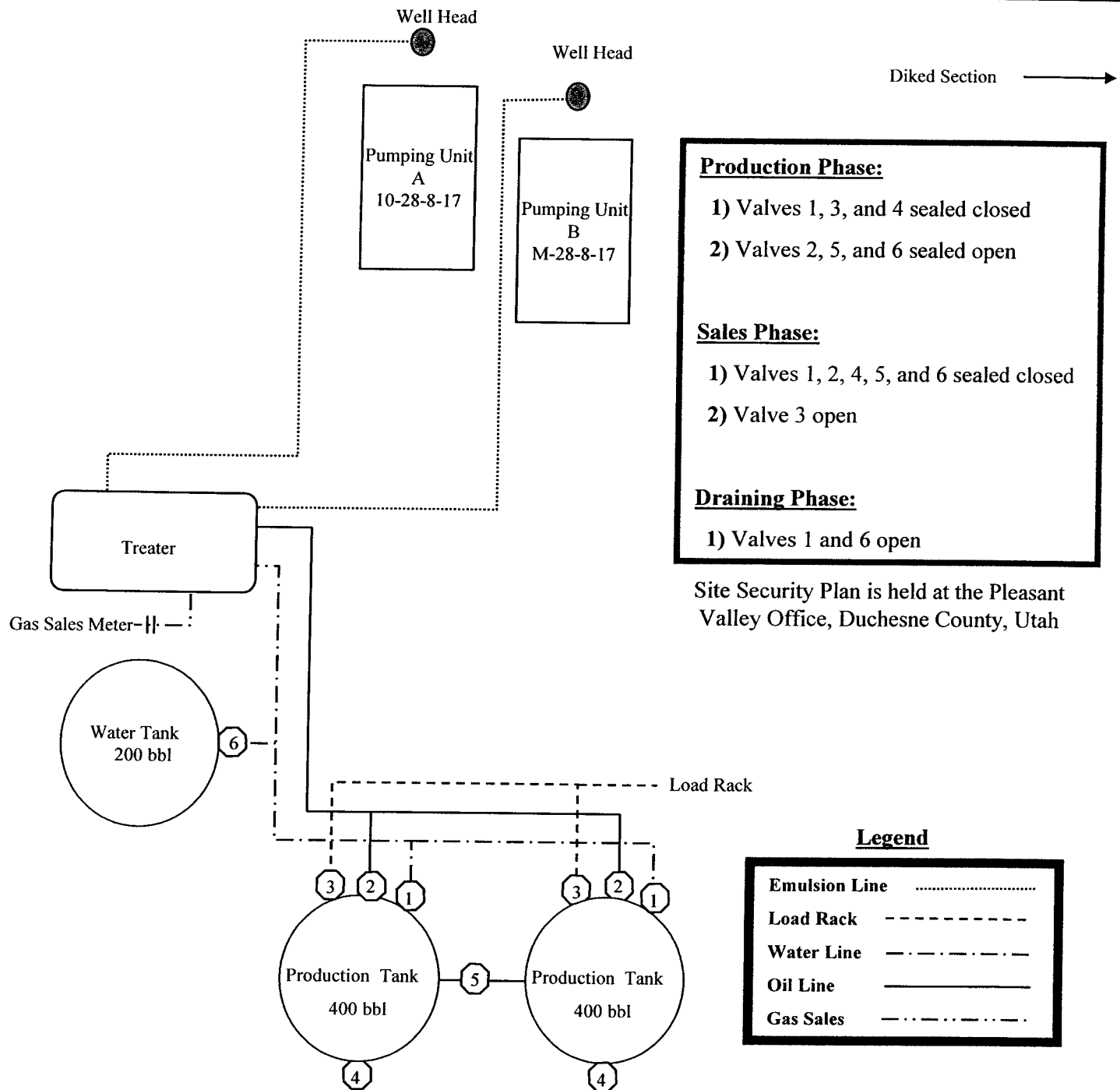
Greater Boundary II Federal M-28-8-17

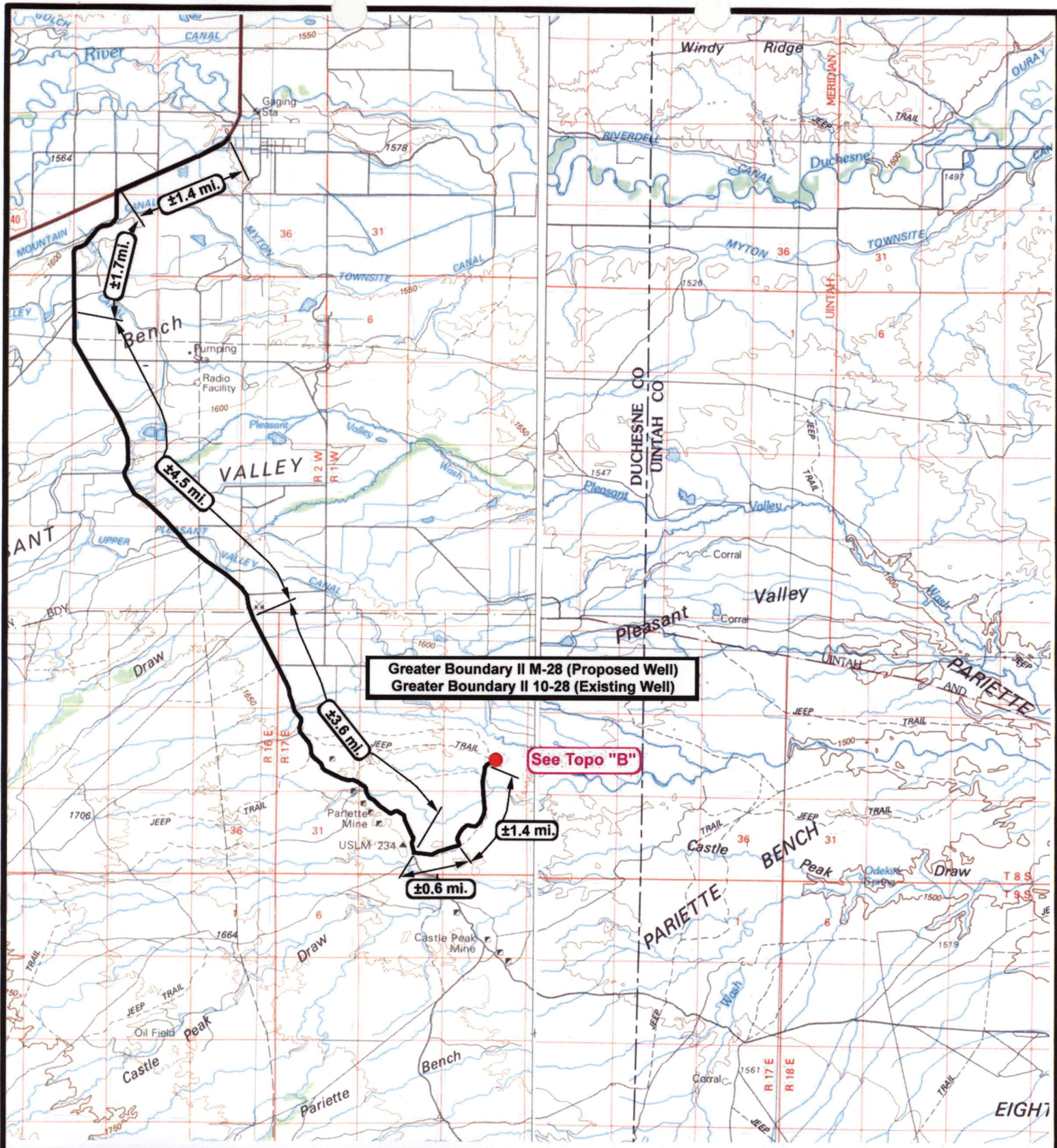
From the 10-28-8-17 Location

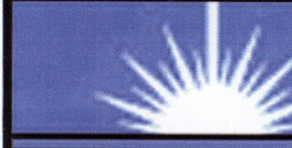
NW/SE Sec. 28 T8S, R17E

Duchesne County, Utah

UTU-76241







NEWFIELD
Exploration Company

Greater Boundary II M-28-8-17 (Proposed Well)
Greater Boundary II 10-28-8-17 (Existing Well)
Pad Location NWSE SEC. 28, T8S, R17E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1:100,000
 DRAWN BY: mw
 DATE: 03-27-2008

Legend

Existing Road

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

Greater Boundary II M-28-8-17 (Proposed Well)
Greater Boundary II 10-28-8-17 (Existing Well)
Pad Location NWSE SEC. 28, T8S, R17E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

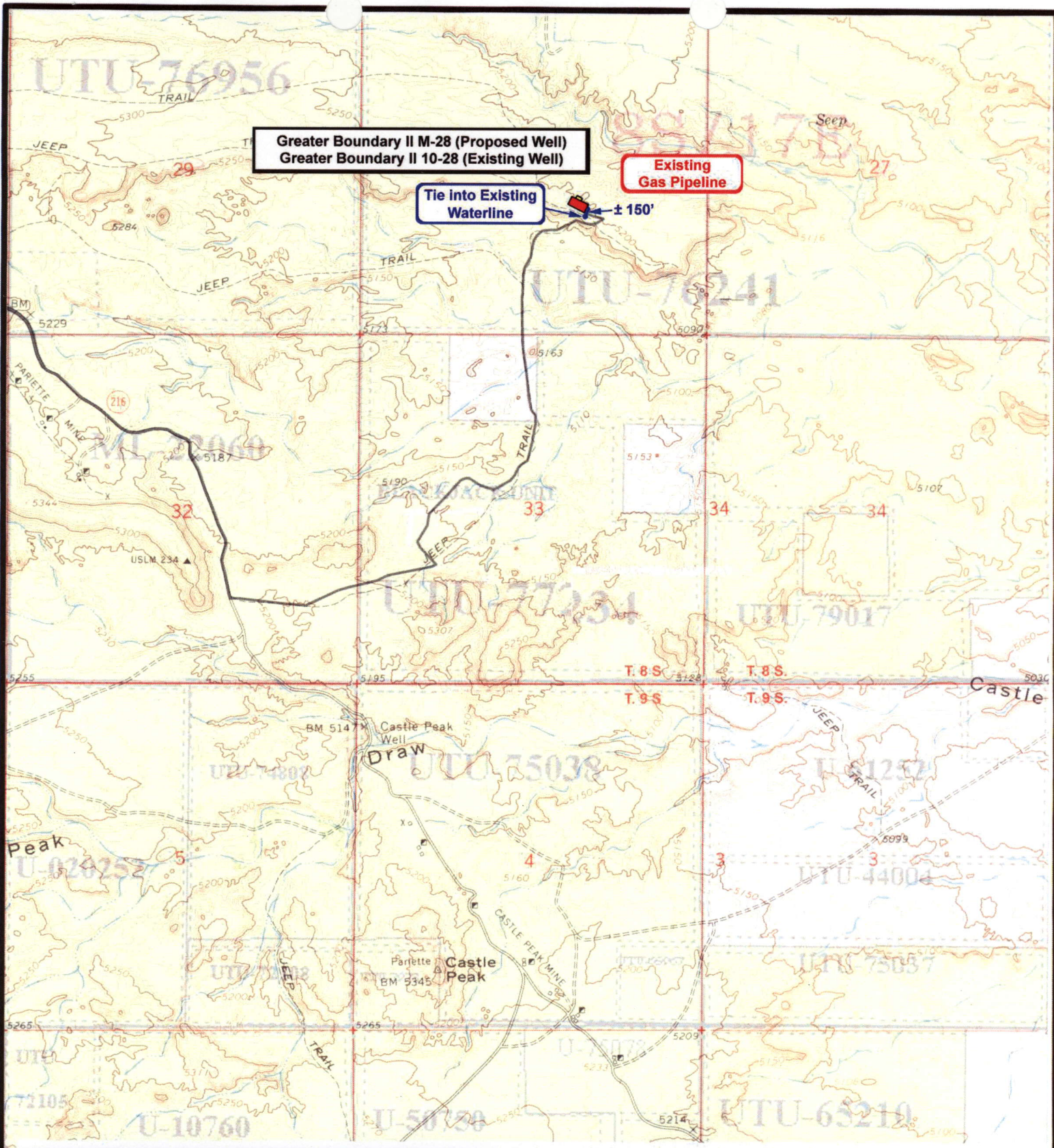
SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 03-27-2008

Legend

Existing Road

TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

Greater Boundary II M-28-8-17 (Proposed Well)
Greater Boundary II 10-28-8-17 (Existing Well)
Pad Location NWSE SEC. 28, T8S, R17E, S.L.B.&M.



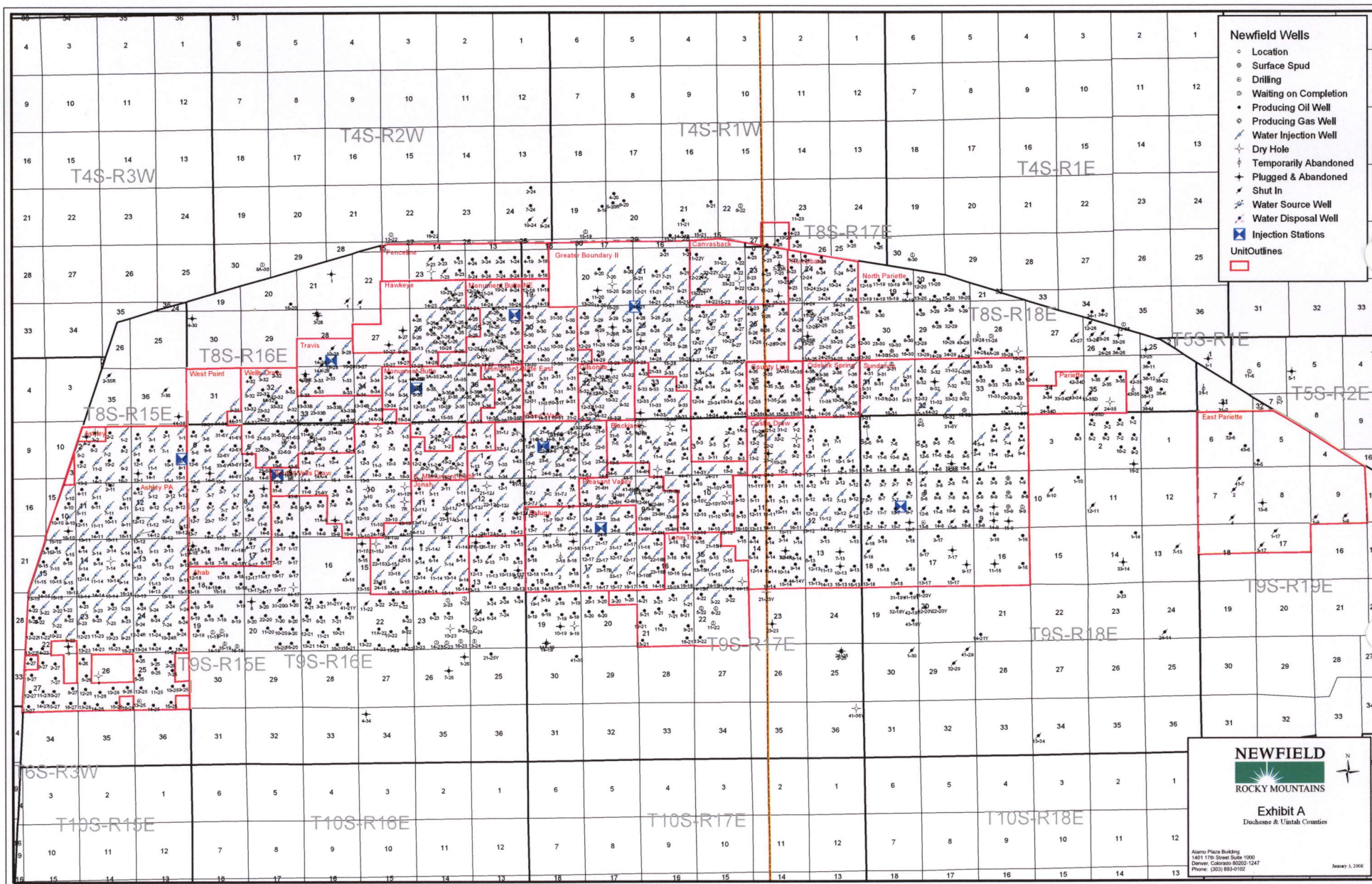
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mW
DATE: 03-27-2008

Legend
— Roads
--- Proposed Water Line

TOPOGRAPHIC MAP

"C"



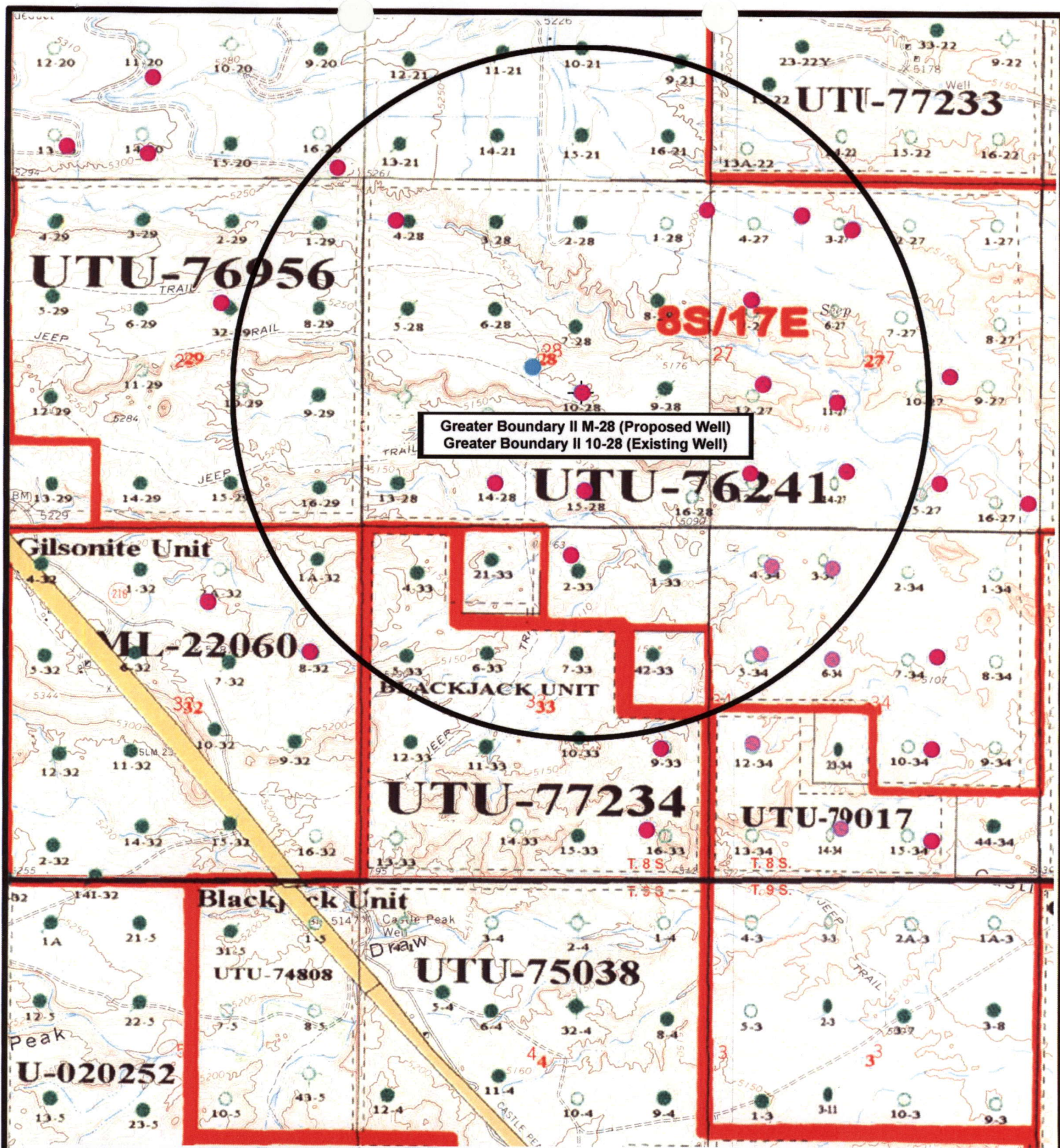
- Newfield Wells**
- Location
 - Surface Spud
 - Drilling
 - Waiting on Completion
 - Producing Oil Well
 - Producing Gas Well
 - Water Injection Well
 - Dry Hole
 - Temporarily Abandoned
 - Plugged & Abandoned
 - Shut In
 - Water Source Well
 - Water Disposal Well
 - Injection Stations
 - Unit Outlines



Exhibit A
Duchene & Uintah Counties

Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 854-6102

January 4, 2008



NEWFIELD
Exploration Company

Greater Boundary II M-28-8-17 (Proposed Well)
Greater Boundary II 10-28-8-17 (Existing Well)
Pad Location NWSE SEC. 28, T8S, R17E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 03-27-2008

Legend

- Pad Location
- Bottom Hole Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

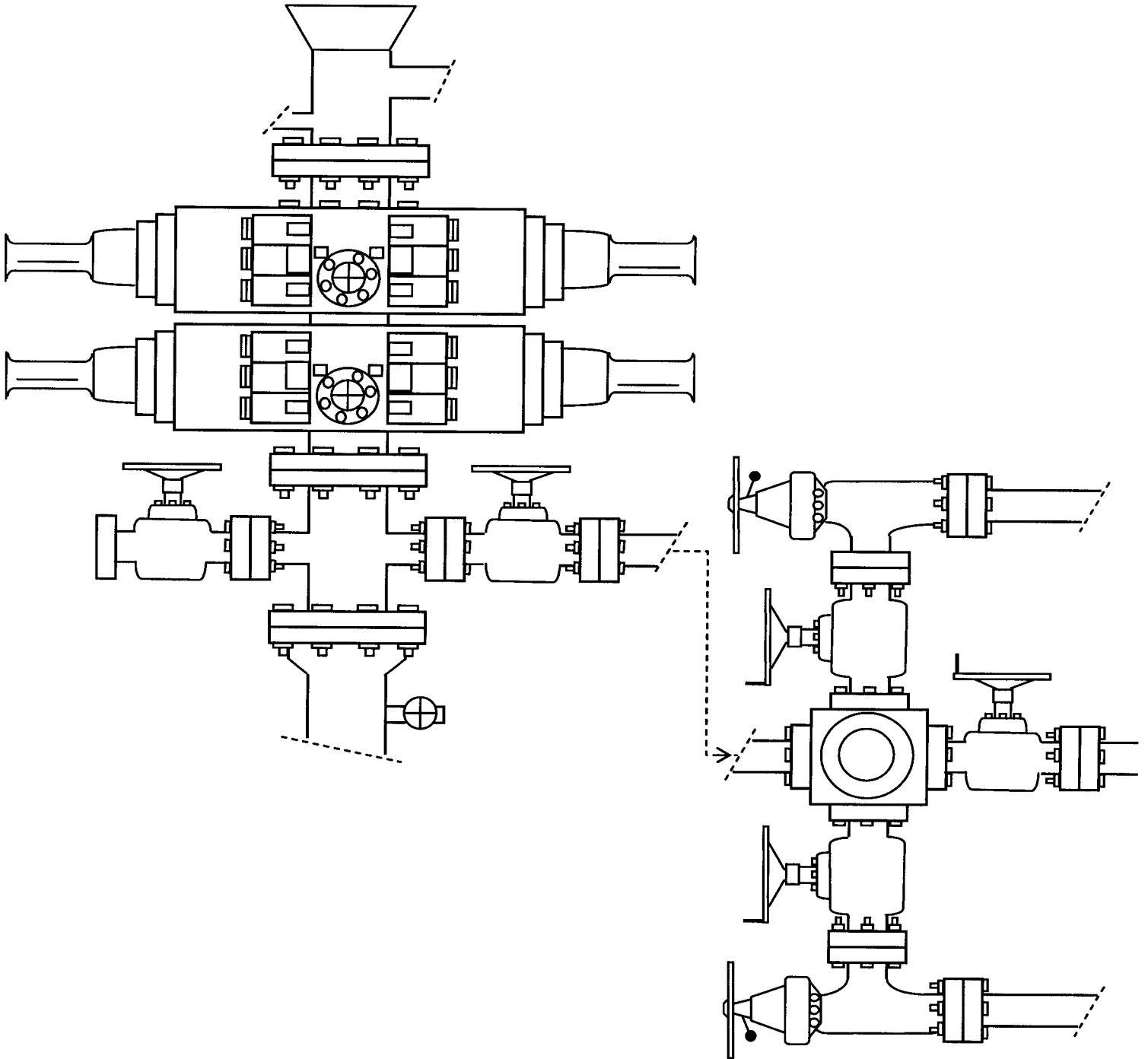
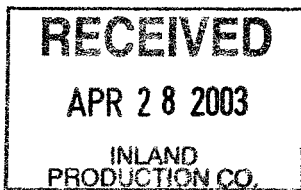


EXHIBIT C

Exhibit "D"

A CULTURAL RESOURCE BLOCK SURVEY
IN THE TAR SANDS FEDERAL UNIT



DUCHESNE COUNTY, UTAH

by

Sheri Murray Ellis
Senior Archaeologist

Prepared for:

Inland Production Company
P.O. Box 790233
Vernal, Utah 84079-0233

Prepared by:

Sagebrush Consultants, L.L.C.
3670 Quincy Avenue, Suite 203
Ogden, Utah 84403

Under Authority of Cultural Resources Use Permit No. 97UT54630

and

Utah State Antiquities Permit No. U-97-SJ-0777b

Archaeological Report No. 1026-01

December 4, 1997

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/17/2008

API NO. ASSIGNED: 43-013-34029

WELL NAME: GB II FED M-28-8-17

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSE 28 080S 170E

SURFACE: 2018 FSL 1978 FEL

BOTTOM: 2502 FSL 2480 FWL

COUNTY: DUCHESNE

LATITUDE: 40.08733 LONGITUDE: -110.0084

UTM SURF EASTINGS: 584538 NORTHINGS: 4437711

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76241

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

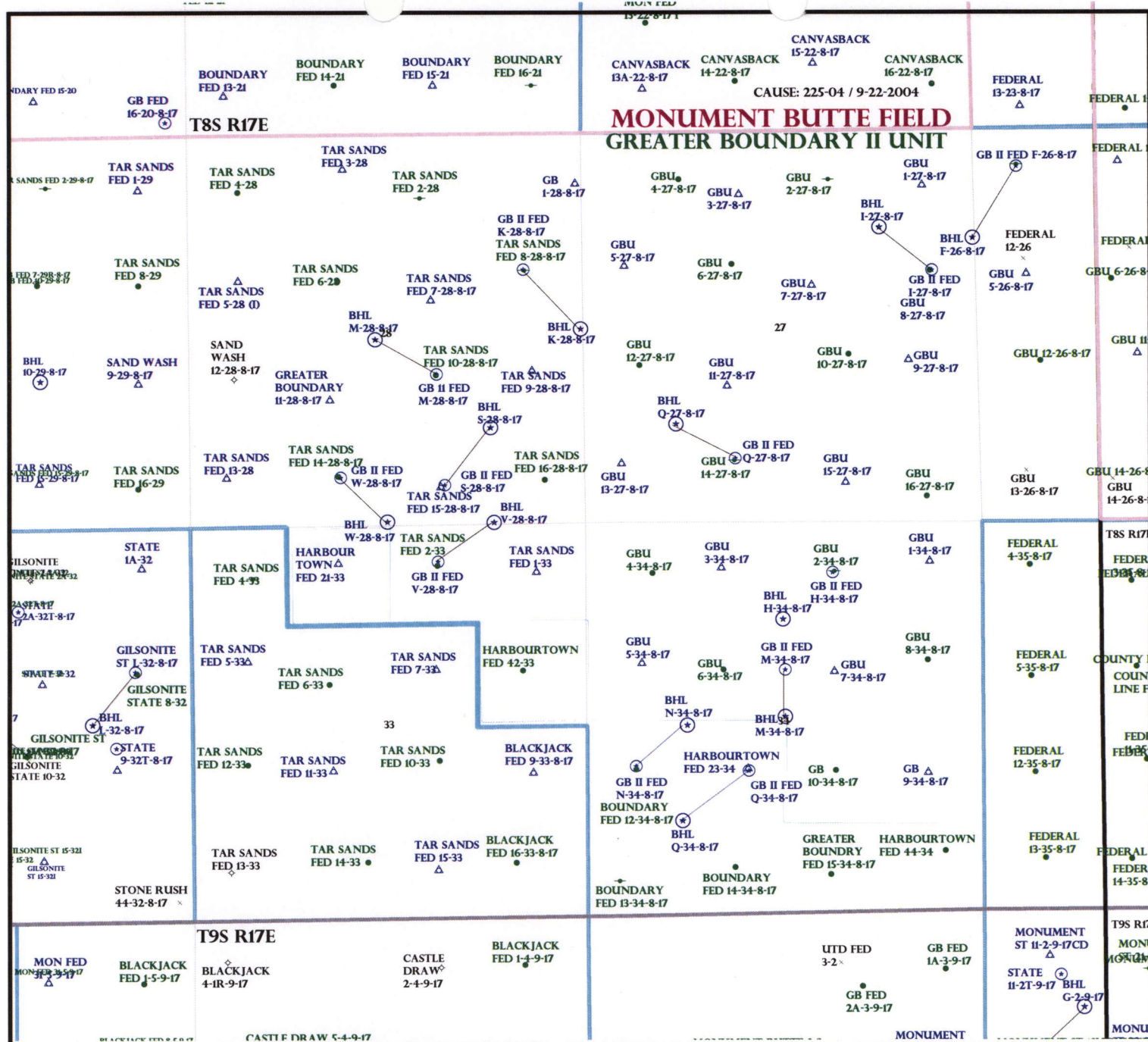
- ☒ Plat
- ☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit
(No. 43-10136)
- ☒ RDCC Review (Y/N)
(Date:)
- ☒ Fee Surf Agreement (Y/N)
- ☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

- ☐ R649-2-3.
- Unit: GREATER BOUNDARY II (GR)
- ☐ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ☐ R649-3-3. Exception
- ☒ Drilling Unit
Board Cause No: 225-04
Eff Date: 9-22-2004
Siting: Suspend General Siting
- ☒ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

July 21, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Greater Boundary
Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Greater Boundary Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34029	GB II Fed M-28-8-17	Sec 28 T08S R17E 2018 FSL 1978 FEL BHL Sec 28 T08S R17E 2502 FSL 2480 FWL
43-013-34030	GB II Fed Q-34-8-17	Sec 34 T08S R17E 1913 FSL 2147 FWL BHL Sec 34 T08S R17E 1255 FSL 1255 FWL

We have no objections to permitting the well so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Greater Boundary Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:7-21-08



July 23, 2008

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Greater Boundary II Federal M-28-8-17
Greater Boundary II Unit
UTU-77098X
Surface Hole: T8S R17E, Section 28: NWSE
2018' FSL 1978' FEL
Bottom Hole: T8S R17E, Section 28
2502' FSL 2480' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated July 14, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Greater Boundary II Unit UTU-77098X. Newfield certifies that it is the Greater Boundary II Unit Operator and all lands within 460 feet of the entire directional well bore are within the Greater Boundary II Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland
Land Associate

RECEIVED

JUL 25 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.

UTU-76241

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.
Greater Boundary II Unit

8. Lease Name and Well No.
Greater Boundary II Federal M-28-8-17

9. API Well No.

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 28, T8S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface NW/SE 2018' FSL 1978' FEL

At proposed prod. zone 2502' FSL 2480' FWL

14. Distance in miles and direction from nearest town or post office*

Approximately 13.3 miles southeast of Myton, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

Approx. 2480' f/lee, 2502' f/unit

16. No. of Acres in lease

1880.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

Approx. 1405'

19. Proposed Depth

6445'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5207' GL

22. Approximate date work will start*

4th Quarter 2008

23. Estimated duration

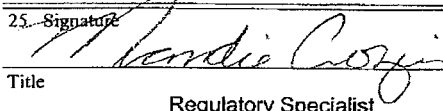
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature



Name (Printed/Typed)

Mandie Crozier

Date

7/14/08

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

JUL 25 2008

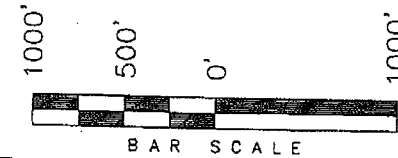
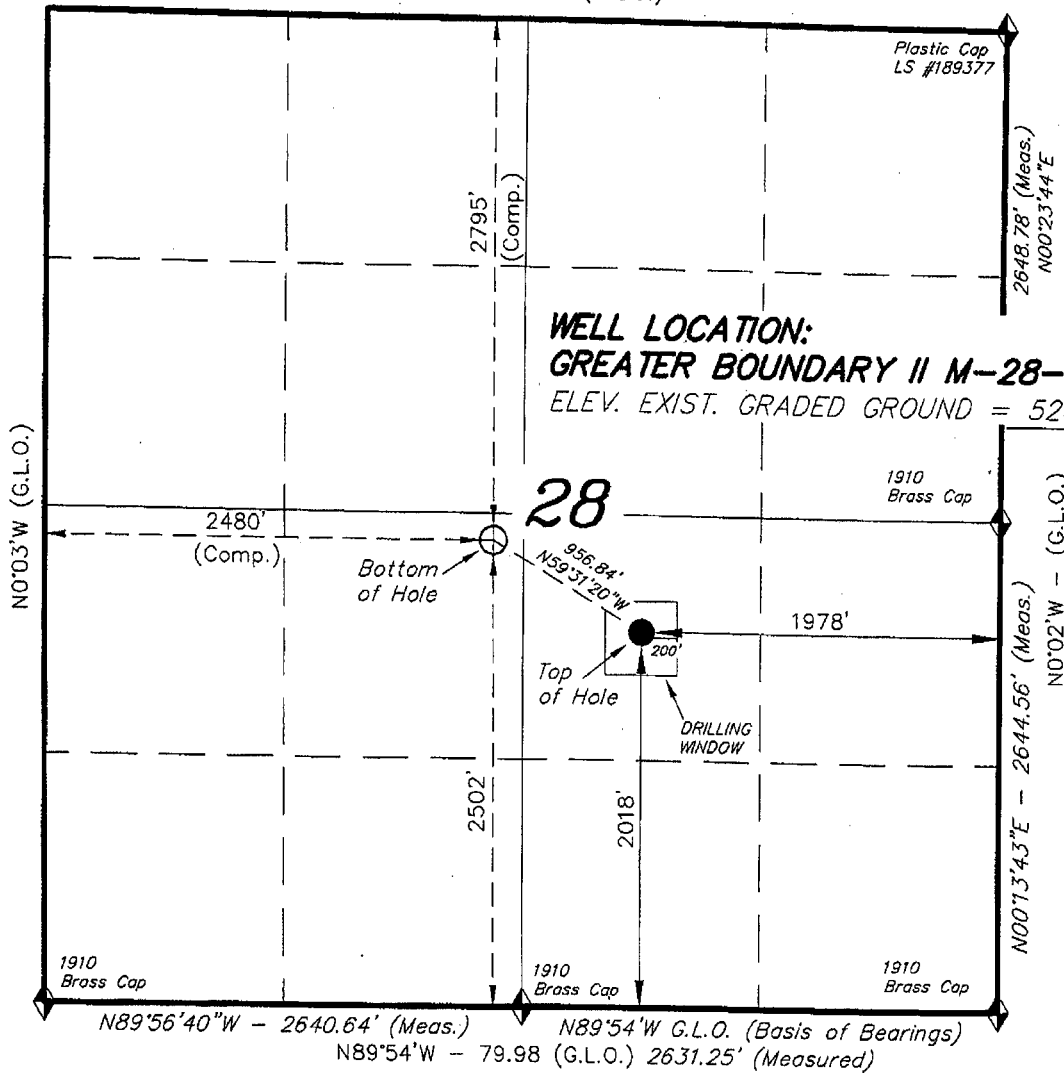
DIV. OF OIL, GAS & MINING

T8S, R17E, S.L.B.&M.

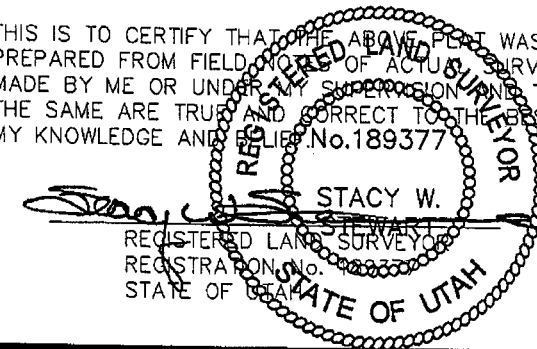
NEWFIELD PRODUCTION COMPANY

N89°50'W - 79.96 (G.L.O.)

WELL LOCATION, GREATER BOUNDARY II
M-28-8-17, LOCATED AS SHOWN IN THE
NW 1/4 SE 1/4 OF SECTION 28, T8S,
R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**GREATER BOUNDARY II M-28-8-17
(Surface Location) NAD 83
LATITUDE = 40° 05' 14.04"
LONGITUDE = 110° 00' 32.96"**

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 02-26-08	SURVEYED BY: T.H.
DATE DRAWN: 03-26-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 31, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Greater Boundary II Federal M-28-8-17 Well, Surface Location 2018' FSL, 1978' FEL, NW SE, Sec. 28, T. 8 South, R. 17 East, Bottom Location 2502' FSL, 2480' FWL, NE SW, Sec. 28, T. 8 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34029.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Office

Operator: Newfield Production Company
Well Name & Number Greater Boundary II Federal M-28-8-17
API Number: 43-013-34029
Lease: UTU-76241

Surface Location: NW SE **Sec.** 28 **T.** 8 South **R.** 17 East
Bottom Location: NE SW **Sec.** 28 **T.** 8 South **R.** 17 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Form 3160-3
(September 2001)

RECEIVED
VERNAL FIELD OFFICE

2008 JUL 17 PM 1 49

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.
UTU-76241

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
Greater Boundary II Unit

8. Lease Name and Well No.
Greater Boundary II Federal M-28-8-17

9. API Well No.
43 013 34029

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 28, T8S R17E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator
Newfield Production Company

3a. Address
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface NW/SE 2018' FSL 1978' FEL

At proposed prod. zone 2502' FSL 2480' FWL NESW

14. Distance in miles and direction from nearest town or post office*
Approximatley 13.3 miles southeast of Myton, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) Approx. 2480' f/lse, 2502' f/unit

16. No. of Acres in lease
1880.00

17. Spacing Unit dedicated to this well
20 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. Approx. 1405'

19. Proposed Depth
6445'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5207' GL

22. Approximate date work will start*
4th Quarter 2008

23. Estimated duration
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
Mandie Crozier
Title
Regulatory Specialist

Name (Printed/Typed)
Mandie Crozier

Date
7/14/08

Approved by (Signature)
Terry Keneke
Title
Assistant Field Manager
Lands & Mineral Resources

Name (Printed/Typed)
Terry Keneke
Office
VERNAL FIELD OFFICE

Date
JAN 16 2009

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

NOTICE OF APPROVAL

NOS 5/5/08

AFMSS# 08PRO781A

UDOGM

RECEIVED

JAN 27 2009

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company Location: NWSE, Sec. 28, T9S, R17E (S)
NESW, Sec. 28, T9S, R17E (B)
Well No: Greater Boundary II Fed M-28-8-17 Lease No: UTU-76241
API No: 43-013-34029 Agreement: Greater Boundary II Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

None

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- **Newfield Production Co. shall adhere to all referenced requirements in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders. A complete angular deviation and directional survey report shall be submitted to the Vernal BLM field office within 30 days following the completion of the well.**

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (1/4, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

BLM - Vernal Field Office - ^{Spud} Notification Form

Operator Newfield Exploration Rig

Name/# Ross #29 Submitted By Alvin

Nielsen Phone Number 435-823-

7468

Well Name/Number Greater Boundary II Federal M-28-8-17

Qtr/Qtr NW/SE Section 28 Township 8S

Range 17E

Lease Serial Number UTU

76241

API Number 43-013-

34029

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/12/09 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

☒ Date/Time 6/12/09 3:00 AM ☐ PM

BOPE

☐ Initial BOPE test at surface casing point

- ☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time 6/12/09 9:00 AM ☒
PM ☐

Remarks Ross Rig # 29 spud the Greater Boundary II Federal M-
28-8-17 @ 9:00 AM on 6/12/09. Should run surface casing
around 3:00 PM on 6/12/09

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWSE Section 28 T8S R17E

5. Lease Serial No.

USA UTU-76241

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GREATER BOUNDARY II

8. Well Name and No.

GRTR BNDRY II M-28-8-17

9. API Well No.

4301334029

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 6/12/09 MIRU Ross # 29 .Spud well @ 9:00am. Drill 320' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 323.75' On 6/17/09 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Don Bastian

Signature

Don Bastian

Title

Drilling Foreman

Date

06/18/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

JUN 23 2009

DIV. OF OIL, GAS & MINING

8 5/8"	CASING SET AT	323.75
---------------	----------------------	---------------

OPERATOR Newfield Exploration Company
WELL GRTR BNDRY II M-28-8-17
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # Ross Rig #29

LOG OF CASING STRING:								
PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1		WHI-92				8rd	A	0.95
8	8 5/8"	Maverick ST&C Csg (Shoe Jt 36.50")		24#	J-55	8rd	A	311.9
1	8 5/8"	Guide Shoe				8rd	A	0.9

[illegible]

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391 ✓	4301334029	GRTR BNDRY II M-28-8-17	nwse	28	8S	17E	DUCHESNE	6/12/2009	6/30/09
WELL 1 COMMENTS: GRRV BHL = NESW											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 5 COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - ther (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
JUN 24 2009

DIV. OF OIL, GAS & MINING

Signature _____ Jentri P. _____
Production Clerk _____ 06/18/09 _____
Date _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWSE Section 28 T8S R17E

5. Lease Serial No.

USA UTU-76241

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GREATER BOUNDARY II

8. Well Name and No.

GRTR BNDRY II M-28-8-17

9. API Well No.

4301334029

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 6/29/09 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 286'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,488' & a TVD of 6366'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 163 jt's of 5.5 J-55, 15.5# csgn. Set @ 6021' / KB. Cement with 260 sks cement mixed @ 11.0 ppg & 3.54 yld. Then 425 sks cement mixed @ 14.4 ppg & 1.24 yld. With 25 bbls cement returned to pit. Nipple down Bop's. Drop slips @86,000 #'s tension. Release rig 12:30 PM 7/6/09.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Title

Drilling Foreman

Signature

Date

07/07/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

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JUL 13 2009

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6486.05

LAST CASING	<u>8 5/8"</u>	SET AT	<u>323.75</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE			<u>12</u>
TD DRILLER	<u>6488</u>	LOGC	<u>6488</u>
HOLE SIZE	<u>7 7/8"</u>		

OPERATOR Newfield Exploration Company
WELL GRTR BNDRY II M-28-8-17
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # NDSI # 2

LOG OF CASING STRING:

[illegible]

[illegible]

COMPANY REPRESENTATIVE Alvin Nielsen DATE 7/6/2009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-76241

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL: FOOTAGES AT SURFACE: COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSE, 28, T8S, R17E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 08/19/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 07/29/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 08/19/2009

(This space for State use only)

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AUG 24 2009

DIV. OF OIL, GAS & MINING

Daily Activity Report**Format For Sundry****GRTR BNDRY II M-28-8-17****5/1/2009 To 9/30/2009****7/20/2009 Day: 2****Completion**

Rigless on 7/20/2009 - Frac & perforate 6 stages. Flowback well. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6404' cement top @ 56'. Perforate stage #1. CP5 sds @ 6324-30' w/ 3 1/8" slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 18 shots. 151 BWTR. SWIFN - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6404' cement top @ 56'. Perforate stage #1. CP5 sds @ 6324-30' w/ 3 1/8" slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 18 shots. 151 BWTR. SWIFN - Stage #6 GB6 sds. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 6' perf guns. Set plug @ 4750'. Perforate GB6 sds @ 4675-81' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 18 shots. RU BJ Services. 2130 psi on well. Broke @ 3470 psi. No ISIP, 1 min or 4 min due to low psi. Frac GB6 sds w/ 13,973#'s of 20/40 sand in 250 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2134 psi w/ ave rate of 15.9 BPM. FG @ .86 . Begin flowback on 20/64 choke @ 3 BPM. Flowed for 3 hrs & died (Stage 5 screened out & sanded off). Rec. 180 BTF. SIWFN w/ 2333 BWTR. - Stage #6 GB6 sds. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 6' perf guns. Set plug @ 4750'. Perforate GB6 sds @ 4675-81' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 18 shots. RU BJ Services. 2130 psi on well. Broke @ 3470 psi. No ISIP, 1 min or 4 min due to low psi. Frac GB6 sds w/ 13,973#'s of 20/40 sand in 250 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2134 psi w/ ave rate of 15.9 BPM. FG @ .86 . Begin flowback on 20/64 choke @ 3 BPM. Flowed for 3 hrs & died (Stage 5 screened out & sanded off). Rec. 180 BTF. SIWFN w/ 2333 BWTR. - Stage #5 D1 & D2 sds. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 7' & 2' perf guns. Set plug @ 5270'. Perforate D2 sds @ 5225-32', D1 sds @ 5157- 59' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 27 shots. RU BJ Services. 412 psi on well. Broke @ 2075 psi. No ISIP, 1 min or 4 min due to low psi. Frac D1 & D2 sds w/ 35,832#'s of 20/40 sand in 391 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3613 psi w/ ave rate of 19 BPM. Screened out 6.3 bbls short of flush (D2 sds did not breakdown, Believe that they were covered with sand). . FG @ 1.2. Leave pressure on well. 2263 BWTR. - Stage #5 D1 & D2 sds. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 7' & 2' perf guns. Set plug @ 5270'. Perforate D2 sds @ 5225-32', D1 sds @ 5157- 59' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 27 shots. RU BJ Services. 412 psi on well. Broke @ 2075 psi. No ISIP, 1 min or 4 min due to low psi. Frac D1 & D2 sds w/ 35,832#'s of 20/40 sand in 391 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3613 psi w/ ave rate of 19 BPM. Screened out 6.3 bbls short of flush (D2 sds did not breakdown, Believe that they were covered with sand). . FG @ 1.2. Leave pressure on well. 2263 BWTR. - Stage #4 C sds. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 3' & 5' perf guns. Set plug @ 5420'. Perforate C sds @ 5349-52', 5323- 28' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 24 shots. RU BJ Services. 1584 psi on well. Broke @ 1584 psi. No ISIP, 1 min or 4 min due to low psi. Frac C sds w/ 14,795#'s of 20/40 sand in 290 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2591 psi w/ ave rate of 33.3 BPM. FG @ .77. Leave pressure on well. 1872 BWTR. - Stage #4 C sds. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 3' & 5' perf guns. Set plug @ 5420'. Perforate C sds @ 5349-52', 5323- 28' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 24

shots. RU BJ Services. 1584 psi on well. Broke @ 1584 psi. No ISIP, 1 min or 4 min due to low psi. Frac C sds w/ 14,795#'s of 20/40 sand in 290 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2591 psi w/ ave rate of 33.3 BPM. FG @ .77. Leave pressure on well. 1872 BWTR. - Stage #3 A1 & A3 sds. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 3' & 7' perf guns. Set plug @ 5800'. Perforate A3 sds @ 5713-16', A1 sds @ 5636- 43' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 30 shots. RU BJ Services. 1580 psi on well. Broke @ 1907 psi. No ISIP, 1 min or 4 min due to low psi. Frac A1 & A3 sds w/ 49,514#'s of 20/40 sand in 472 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2307 psi w/ ave rate of 35 BPM. FG @ .77. Leave pressure on well. 1582 BWTR. - Stage #3 A1 & A3 sds. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 3' & 7' perf guns. Set plug @ 5800'. Perforate A3 sds @ 5713-16', A1 sds @ 5636- 43' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 30 shots. RU BJ Services. 1580 psi on well. Broke @ 1907 psi. No ISIP, 1 min or 4 min due to low psi. Frac A1 & A3 sds w/ 49,514#'s of 20/40 sand in 472 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2307 psi w/ ave rate of 35 BPM. FG @ .77. Leave pressure on well. 1582 BWTR. - Stage #2 CP.5, CP1 & CP2. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 2', 4', 4' & 2' perf guns. Set plug @ 6190'. Perforate CP2 sds @ 6116-18', CP1 sds @ 6056- 60', 6046- 50', CP.5 sds @ 6017-19' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 36 shots. RU BJ Services. 1850 psi on well. Broke @ 2167 psi. No ISIP, 1 min or 4 min due to low psi. Frac CP.5, CP1 & CP2 sds w/ 69,661#'s of 20/40 sand in 604 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2505 psi w/ ave rate of 41 BPM. FG @ .74. Leave pressure on well. 1110 BWTR. - Stage #1 CP5. RU BJ Services. 18 psi on well. Broke @ 3414 psi. ISIP @ 1476 psi, 1 min @ 1192 psi, 4 min @ 1034 psi. FG @ .67. Frac CP5 sds w/ 19,502#'s of 20/40 sand in 355 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2700 psi w/ ave rate of 26.3 BPM. ISIP 2214 psi, 5 min @ 2071 psi, 10 min @ 2025 psi, 15 min @ 2003 psi. FG @ .79. Leave pressure on well. 506 BWTR. - Stage #1 CP5. RU BJ Services. 18 psi on well. Broke @ 3414 psi. ISIP @ 1476 psi, 1 min @ 1192 psi, 4 min @ 1034 psi. FG @ .67. Frac CP5 sds w/ 19,502#'s of 20/40 sand in 355 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2700 psi w/ ave rate of 26.3 BPM. ISIP 2214 psi, 5 min @ 2071 psi, 10 min @ 2025 psi, 15 min @ 2003 psi. FG @ .79. Leave pressure on well. 506 BWTR. - Stage #2 CP.5, CP1 & CP2. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 2', 4', 4' & 2' perf guns. Set plug @ 6190'. Perforate CP2 sds @ 6116-18', CP1 sds @ 6056- 60', 6046- 50', CP.5 sds @ 6017-19' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 36 shots. RU BJ Services. 1850 psi on well. Broke @ 2167 psi. No ISIP, 1 min or 4 min due to low psi. Frac CP.5, CP1 & CP2 sds w/ 69,661#'s of 20/40 sand in 604 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2505 psi w/ ave rate of 41 BPM. FG @ .74. Leave pressure on well. 1110 BWTR.

Daily Cost: \$0

Cumulative Cost: \$126,444

7/23/2009 Day: 3

Completion

Nabors #823 on 7/23/2009 - MIRU Nabors 823. Change out BOP & WH. TIH w/ "New" 4 3/4" chomp bit. Circulate sand & drill out 1st plug. - MIRU Nabors 823. 100 psi on well. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ "New" 4 3/4" chomp bit, bit sub & 212 jts of tbg. Tagged sand @ 4656'. RU Nabors power swivel. Clean out sand to plug @ 4760'. Drill out plug in 11 mins. Tagged sand @ 4980'. Clean out sand to 5161'. Circulate well clean. LD 2 jts of tbg. EOT @ 5098'. SIWFN w/ 2317 BWTR.

Daily Cost: \$0

Cumulative Cost: \$133,569

7/24/2009 Day: 5

Completion

Nabors #823 on 7/24/2009 - RU Bj Services. Refrac D1 & D2 sand. TOH w/ pkr. TIH w/ 4 3/4" chomp bit. - 0 psi on tbg. Csg on slight vacuum. TIH w/ 2 jts of tbg. Tagged fill @ 5161'. Circulate clean down to CBP @ 5270'. Shut down rig & monitor well for 30 min. Well was not flowing. RD power swivel. TOH w/ tbg. RU Perforators LLC & lubricator. RIH w/ weatherford 5 1/2" solid composite bridge plug. Set plug @ 5260'. RD WL. PU & RIH w/ weatherford 5 1/2" HD pkr & 162 jts of 2 7/8" J-55 tbg. Install frac valve. Leave pkr hanging @ 5098'. Get ready for frac. SIWFN w/ 2320 BWTR. - 0 psi on tbg. Csg on slight vacuum. TIH w/ 2 jts of tbg. Tagged fill @ 5161'. Circulate clean down to CBP @ 5270'. Shut down rig & monitor well for 30 min. Well was not flowing. RD power swivel. TOH w/ tbg. RU Perforators LLC & lubricator. RIH w/ weatherford 5 1/2" solid composite bridge plug. Set plug @ 5260'. RD WL. PU & RIH w/ weatherford 5 1/2" HD pkr & 162 jts of 2 7/8" J-55 tbg. Install frac valve. Leave pkr hanging @ 5098'. Get ready for frac. SIWFN w/ 2320 BWTR. - Set Pkr w/ EOT @ 5098'. RU BJ Serviec to tbg. Pressure up on annulus & monitor pressure during frac. 24 psi on well. Broke @ 3653 psi. ISIP @ 2815 psi, 1 min @ 1603 psi, 4 min @ 891 psi. FG @ .97. Frac D1 & D2 sds w/ 17,777#'s of 20/40 sand in 216 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3406 psi w/ ave rate of 16.6 BPM. ISIP 1755 psi, 5 min @ 1335 psi, 10 min @ 984 psi, 15 min @ 758 psi. FG @ .77. RD BJ services. RU flowback line. Well on vacuum. Pressure up on annulus. Release pkr. Circulate well clean. LD frac valve. TOH w/ tbg. LD pkr. PU & RIH w/ 4 3/4" chomp bit. Tagged sand @ 5161'. LD 49 jts of tbg. TIH w/ tbg. Tagged sand @ 5161'. RU Nabor power swivel. Circulate sand & drill out plugs. Sand @ 5161', Plug @ 5260' (Drilled out in 12 min), No sand, Plug @ 5270' (Drilled out in 15 mins). Swivel down 5 jts of tbg. Tagged plug @ 5420'. Circulate well clean. LD 2 jts of tbg. EOT @ 5348'. SIWFN w/ 2521 BWTR. - Set Pkr w/ EOT @ 5098'. RU BJ Serviec to tbg. Pressure up on annulus & monitor pressure during frac. 24 psi on well. Broke @ 3653 psi. ISIP @ 2815 psi, 1 min @ 1603 psi, 4 min @ 891 psi. FG @ .97. Frac D1 & D2 sds w/ 17,777#'s of 20/40 sand in 216 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3406 psi w/ ave rate of 16.6 BPM. ISIP 1755 psi, 5 min @ 1335 psi, 10 min @ 984 psi, 15 min @ 758 psi. FG @ .77. RD BJ services. RU flowback line. Well on vacuum. Pressure up on annulus. Release pkr. Circulate well clean. LD frac valve. TOH w/ tbg. LD pkr. PU & RIH w/ 4 3/4" chomp bit. Tagged sand @ 5161'. LD 49 jts of tbg. TIH w/ tbg. Tagged sand @ 5161'. RU Nabor power swivel. Circulate sand & drill out plugs. Sand @ 5161', Plug @ 5260' (Drilled out in 12 min), No sand, Plug @ 5270' (Drilled out in 15 mins). Swivel down 5 jts of tbg. Tagged plug @ 5420'. Circulate well clean. LD 2 jts of tbg. EOT @ 5348'. SIWFN w/ 2521 BWTR.

Daily Cost: \$0

Cumulative Cost: \$167,119

7/27/2009 Day: 6

Completion

Nabors #823 on 7/27/2009 - Drill out plugs. C/O to PBTD. Swab - 200 psi on well. Bleed off pressure. RIH w/ 2 jts of tbg. Tagged plug @ 5420'. RU nabors power swivel. Circulate sand & drill out plugs. Plug @ 5420' (Drilled up in 16 mins), Tagged sand @ 5640', Plug @ 5800' (Drilled up in 14 mins). Tagged plug @ 6190' (Drilled up in 13 mins). Tagged sand @ 6330'. C/O to PBTD @ 6445'. RD power swivel. LD 4 jts of tbg. RU swab equipment. IFL @ surface. Made 13 runs, Rec 120 BTF, Trace of oil & No sand. FFL @ 1300'. RD swab equipment. TIH w/ tbg. Tagged PBTD @ 6445'. LD 3 jts of tbg. SIWFN w/ 2471 BWTR.

Daily Cost: \$0

Cumulative Cost: \$172,569

7/29/2009 Day: 7

Completion

Nabors #823 on 7/29/2009 - Circulate well clean. TOH w/ tbg. TIH w/ production tbg. PU rods. Horse head needs to be fix. - 200 psi on well. Circulate well w/ 180 BW. TOH w/ tbg. LD bit. TIH w/ production tbg as follows. NC, 1- jt, SN, 1-jt, SN & 200- jts of 2 7/8" tbg. ND BOP.

Set TA w/ 18,000#'s of tension. NU WH. Flush tbg w/ 60 BW. PU & RIH w/ rods. 2 1/2" X 1 3/4" X 24' RHAC, 4- 1 1/2" wt bars, 248- 7/8 guided rods (8 per), 1-8', 1-2' X 7/8" pony, 1 1/2" X 30' Polish rod. Pressure test w/ rig to 800 psi. Horse head alinement bolts broke. Will get welder in the AM to fix. SIWFN w/ 2492 BWTR. - Welder fixed horse head. RU Horsehead. Space out & hang off rods. RDMOSU. POP @ 10:30 AM w/ 144" @ 4 SPM. 2492 BWTR. - Welder fixed horse head. RU Horsehead. Space out & hang off rods. RDMOSU. POP @ 10:30 AM w/ 144" @ 4 SPM. 2492 BWTR. - 200 psi on well. Circulate well w/ 180 BW. TOH w/ tbg. LD bit. TIH w/ production tbg as follows. NC, 1- jt, SN, 1-jt, SN & 200- jts of 2 7/8" tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. Flush tbg w/ 60 BW. PU & RIH w/ rods. 2 1/2" X 1 3/4" X 24' RHAC, 4- 1 1/2" wt bars, 248- 7/8 guided rods (8 per), 1-8', 1-2' X 7/8" pony, 1 1/2" X 30' Polish rod. Pressure test w/ rig to 800 psi. Horse head alinement bolts broke. Will get welder in the AM to fix. SIWFN w/ 2492 BWTR. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$178,959

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						5. Lease Serial No. UTU-76241	
2. Name of Operator NEWFIELD EXPLORATION COMPANY						6. If Indian, Allottee or Tribe Name NA	
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202						7. Unit or CA Agreement Name and No. GREATER BOUNDARY II	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2018' FSL & 1978' FEL (NW/SE) SEC. 28, T8S, R17E At top prod. interval reported below 2603' FSL & 2293' FWL (NE/SW) At total depth 6488' 2603 FSL 9985 FWL NE/SW 5-28 T08S R17E						8. Lease Name and Well No. GB FEDERAL M-28-8-17	
14. Date Spudded 06/12/2009						9. AFI Well No. 43-013-34029	
15. Date T.D. Reached 07/05/2009						10. Field and Pool or Exploratory MONUMENT BUTTE	
16. Date Completed 07/29/2009 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						11. Sec., T., R., M., on Block and Survey or Area SEC. 28, T8S, R17E	
17. Total Depth: MD 6488' TVD 6366' 7' 18. Plug Back T.D.: MD 6445' TVD 6344'						12. County or Parish DUCHESNE	
19. Depth Bridge Plug Set: MD TVD						13. State UT	
20. Type Electric & Other Mechanical Logs Run (Submit copy of each) <input checked="" type="checkbox"/> DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND						17. Elevations (DF, RKB, RT, GL)* 5207' GL 5219' KB	
21. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)						22.	

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		323.75'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6486.05'		260 PRIMLITE		56'	
						425 50/50 POZ			

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 6362'	TA @ 6298'							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER				(CP5) 6326-6330'	.49"	4	18
B) GREEN RIVER				(CP2)(CP1)(CP.5)see belo	.49"	3	36
C) GREEN RIVER				(A3)5713-16(A1)5636-43'	.49"	3	30
D) GREEN RIVER				(C) 5349-52',5323-28'	.49"	3	24

27. Acid, Fracture, Treatment, Cement Squeeze, etc.		Amount and Type of Material	
Depth Interval			
6326-6330'	Frac CP5 sds w/ 19,502#s of 20/40 sand in 355 bbls of Lightning 17 fluid.		
6017-6118'	Frac CP.5,CP1 & CP2 sds w/ 69,661#s of 20/40 sand in 604 bbls of Lightning 17 fluid.		
5636-5716'	Frac A1 & A3 sds w/ 49,514#s of 20/40 sand in 472 bbls of Lightning 17 fluid.		
5323-5352'	Frac C sds w/ 14,795#s of 20/40 sand in 290 bbls of Lightning 17 fluid.		

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/29/09	08/15/09	24	→	72	65	20			"Central hydraulics" 2 1/2" X 1 3/4" X 21' X 24' RHAC
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

RECEIVED
AUG 24 2009

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➔						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➔						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4119' 4312'
				GARDEN GULCH 2 POINT 3	4435' 4718'
				X MRKR Y MRKR	4953' 4987'
				DOUGALS CREEK MRK BI CARBONATE MRK	5123' 5384'
				B LIMESTON MRK CASTLE PEAK	5559' 5991'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	6420' 6488'

32. Additional remarks (include plugging procedure):

STAGE 2: Perforate CP2 sds @ 6116-18', CP1 sds @ 6056- 60', 6046- 50', CP.5 sds @ 6017-19' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 36 shots.

STAGE 5: Perforate D2 sds @ 5225-32', D1 sds @ 5157- 59' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 27 shots. Frac D1 & D2 sds w/ 35,832#'s of 20/40 sand in 391 bbls of Lightning 17 fluid.

STAGE 6: Perforate GB6 sds @ 4675-81' w/ 3 1/8" ported guns (11g, 0.36 EH, 16.82 pen.) w/ 3 spf for total of 18 shots. Frac GB6 sds w/ 13,973#'s of 20/40 sand in 250 bbls of Lightning 17 fluid.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Tammi LeeTitle Production ClerkSignature Date 11/15/2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 28

M-28-8-17

Wellbore #1

Design: Wellbore #1

Standard Survey Report

05 July, 2009

ENSIGN
Directional

NEWFIELD



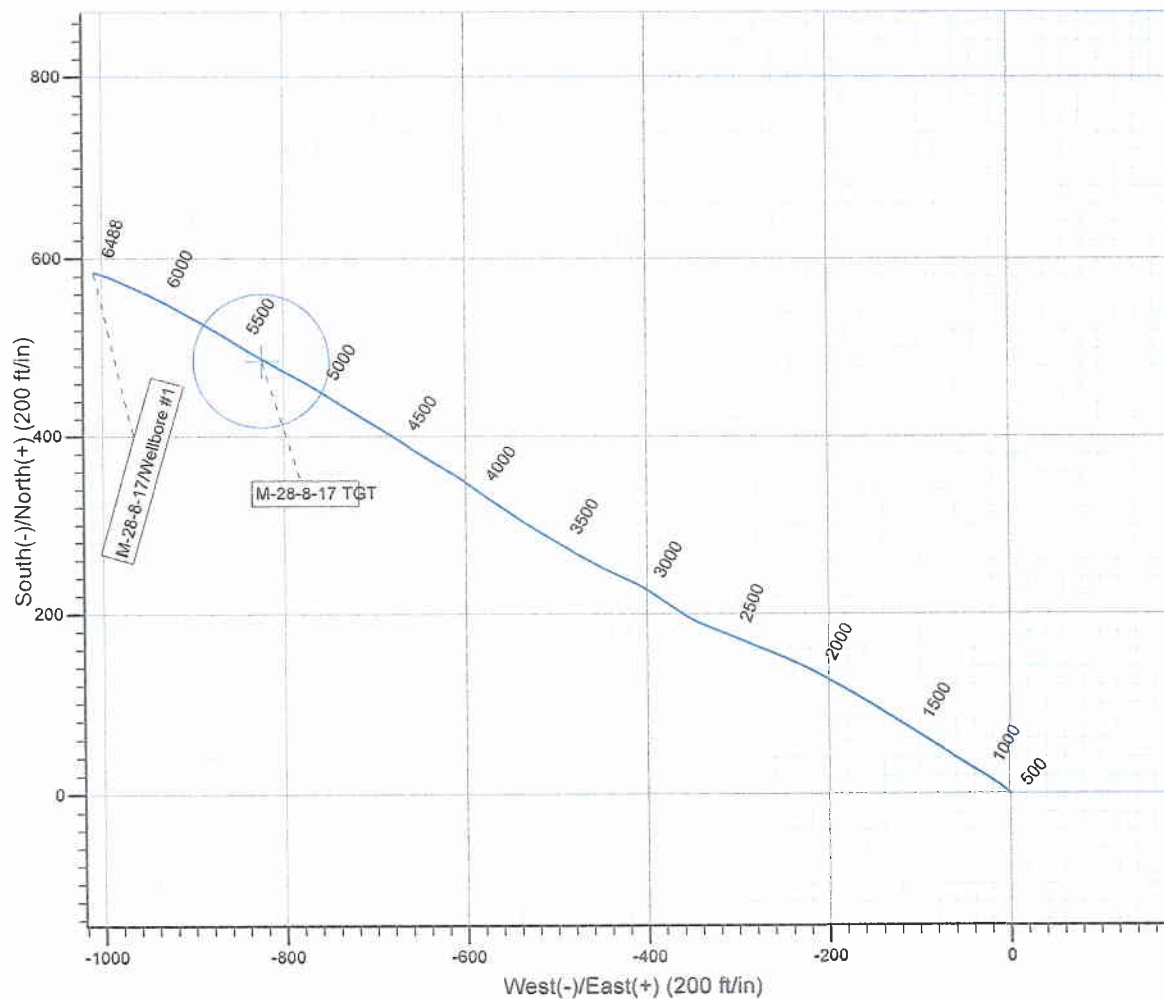
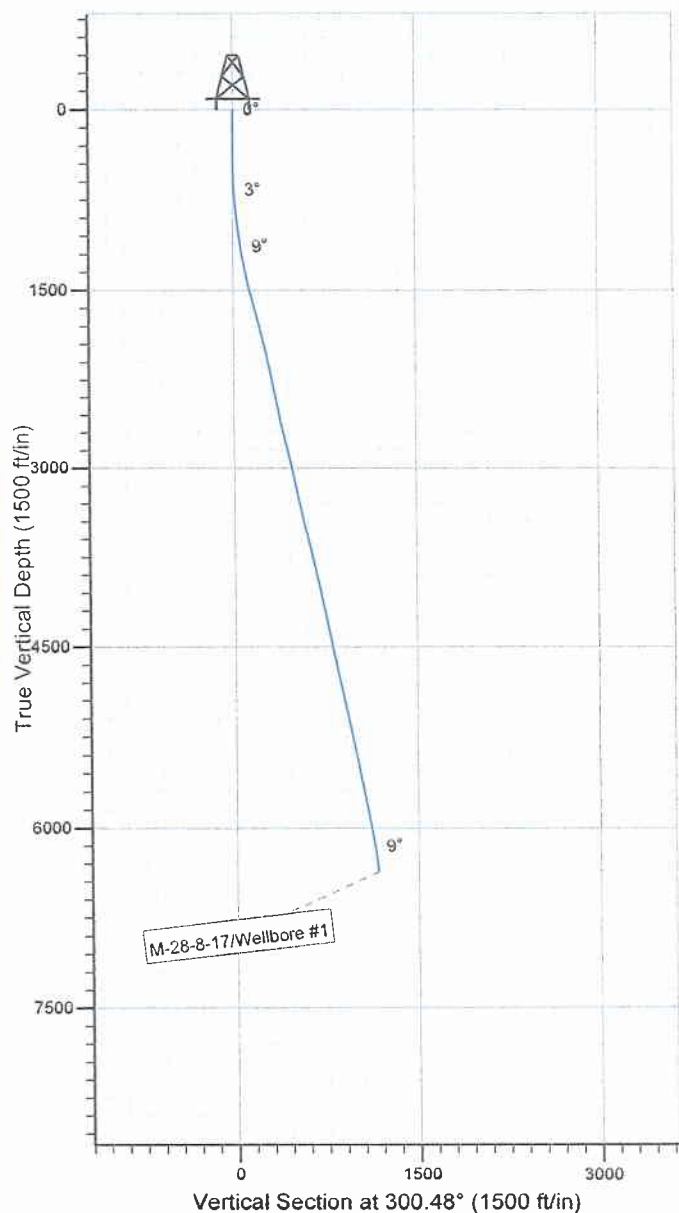
Project: USGS Myton SW (UT)
 Site: SECTION 28
 Well: M-28-8-17
 Wellbore: Wellbore #1
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.54°

Magnetic Field
 Strength: 52533.2nT
 Dip Angle: 65.90°
 Date: 2009/06/04
 Model: IGRF200510



ENSIGN
 Directional

Design: Wellbore #1 (M-28-8-17/Wellbore #1)

Created By: *Tam Hudson* Date: 18:53, July 05 2009
 THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.



Ensign Directional Survey Report

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 28
Well: M-28-8-17
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well M-28-8-17
TVD Reference: M-28-8-17 @ 5219.0ft (RIG #2)
MD Reference: M-28-8-17 @ 5219.0ft (RIG #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site	SECTION 28, SEC 28 T8S, R17E		
Site Position:		Northing:	7,204,800.00 ft
From:	Lat/Long	Easting:	2,057,000.00 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 5' 22.277 N
		Longitude:	110° 0' 39.302 W
		Grid Convergence:	0.95 °

Well	M-28-8-17, SHL LAT: 40 05 14.04, LONG: -110 00 32.96		
Well Position	+N/-S	0.0 ft	Northing: 7,203,974.88 ft
	+E/-W	0.0 ft	Easting: 2,057,506.66 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	40° 5' 14.040 N
		Longitude:	110° 0' 32.960 W
		Ground Level:	0.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/06/04	11.54	65.90	52,533

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	300.48	

Survey Program	Date 2009/07/05				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
419.0	6,488.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
419.0	0.07	343.06	419.0	0.2	-0.1	0.2	0.02	0.02	0.00
450.0	0.26	53.73	450.0	0.3	0.0	0.2	0.79	0.61	227.97
481.0	0.29	319.09	481.0	0.4	0.0	0.2	1.31	0.10	-305.29
511.0	0.81	309.16	511.0	0.6	-0.2	0.5	1.76	1.73	-33.10
542.0	1.45	304.85	542.0	1.0	-0.7	1.1	2.08	2.06	-13.90
572.0	2.00	309.97	572.0	1.5	-1.4	2.0	1.90	1.83	17.07
603.0	2.57	310.85	603.0	2.3	-2.4	3.2	1.84	1.84	2.84
634.0	2.94	309.16	633.9	3.3	-3.5	4.7	1.22	1.19	-5.45
664.0	3.46	309.41	663.9	4.3	-4.8	6.3	1.73	1.73	0.83
695.0	3.89	306.04	694.8	5.5	-6.4	8.3	1.55	1.39	-10.87
726.0	4.35	308.87	725.7	6.9	-8.2	10.5	1.62	1.48	9.13
756.0	4.68	304.96	755.6	8.3	-10.0	12.9	1.50	1.10	-13.03



Ensign Directional Survey Report

ENSIGN

Directional

Company: NEWFIELD EXPLORATION
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Design: Wellbore #1

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MD Reference: M-28-8-17 @ 5219.0ft (RIG #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
787.0	5.14	305.01	786.5	9.8	-12.2	15.5	1.48	1.48	0.16
817.0	5.32	307.09	816.4	11.4	-14.4	18.2	0.87	0.60	6.93
848.0	5.70	306.40	847.3	13.2	-16.8	21.2	1.24	1.23	-2.23
879.0	6.10	302.40	878.1	15.0	-19.4	24.4	1.85	1.29	-12.90
909.0	6.40	303.60	907.9	16.8	-22.2	27.6	1.09	1.00	4.00
941.0	6.70	300.50	939.7	18.7	-25.3	31.3	1.45	0.94	-9.69
972.0	7.10	301.60	970.5	20.7	-28.5	35.0	1.36	1.29	3.55
1,004.0	7.36	302.13	1,002.2	22.8	-31.9	39.0	0.84	0.81	1.66
1,036.0	7.71	301.91	1,033.9	25.0	-35.4	43.2	1.10	1.09	-0.69
1,068.0	8.26	299.71	1,065.6	27.3	-39.3	47.7	1.97	1.72	-6.88
1,099.0	8.66	299.51	1,096.3	29.5	-43.2	52.2	1.29	1.29	-0.65
1,132.0	9.10	300.46	1,128.9	32.1	-47.6	57.3	1.41	1.33	2.88
1,163.0	9.27	303.27	1,159.5	34.7	-51.8	62.3	1.55	0.55	9.06
1,195.0	9.71	303.12	1,191.1	37.6	-56.3	67.5	1.38	1.38	-0.47
1,227.0	10.10	304.20	1,222.6	40.6	-60.8	73.0	1.35	1.22	3.38
1,259.0	10.70	304.70	1,254.1	43.9	-65.6	78.8	1.90	1.88	1.56
1,290.0	11.16	302.79	1,284.5	47.2	-70.5	84.7	1.89	1.48	-6.16
1,322.0	11.40	302.79	1,315.9	50.6	-75.7	90.9	0.75	0.75	0.00
1,354.0	11.95	303.03	1,347.2	54.1	-81.2	97.4	1.73	1.72	0.75
1,449.0	13.07	300.92	1,440.0	65.0	-98.6	118.0	1.27	1.18	-2.22
1,544.0	14.13	302.08	1,532.3	76.6	-117.7	140.3	1.15	1.12	1.22
1,639.0	14.59	301.82	1,624.3	89.1	-137.7	163.8	0.49	0.48	-0.27
1,735.0	14.92	301.71	1,717.2	102.0	-158.5	188.3	0.34	0.34	-0.11
1,829.0	14.80	301.22	1,808.0	114.6	-179.0	212.4	0.18	-0.13	-0.52
1,924.0	13.38	299.89	1,900.2	126.3	-198.9	235.5	1.53	-1.49	-1.40
2,019.0	13.21	297.01	1,992.6	136.7	-218.1	257.3	0.72	-0.18	-3.03
2,114.0	12.72	293.79	2,085.2	145.9	-237.4	278.6	0.92	-0.52	-3.39
2,208.0	11.53	294.01	2,177.1	153.9	-255.4	298.2	1.27	-1.27	0.23
2,303.0	10.85	293.01	2,270.3	161.2	-272.3	316.5	0.74	-0.72	-1.05
2,398.0	11.29	291.49	2,363.5	168.1	-289.2	334.5	0.56	0.46	-1.60
2,493.0	11.29	290.72	2,456.7	174.8	-306.6	352.9	0.16	0.00	-0.81
2,589.0	11.42	292.12	2,550.8	181.7	-324.2	371.5	0.32	0.14	1.46
2,684.0	12.44	295.36	2,643.8	189.7	-342.1	391.0	1.28	1.07	3.41
2,779.0	13.40	302.52	2,736.4	200.0	-360.6	412.2	1.96	1.01	7.54
2,873.0	13.60	305.91	2,827.8	212.3	-378.8	434.1	0.87	0.21	3.61
2,969.0	13.49	302.30	2,921.1	224.9	-397.4	456.6	0.89	-0.11	-3.76
3,064.0	11.91	295.60	3,013.8	235.1	-415.6	477.4	2.27	-1.66	-7.05
3,159.0	11.32	294.75	3,106.8	243.2	-432.9	496.4	0.65	-0.62	-0.89
3,254.0	11.73	298.39	3,199.9	251.7	-449.9	515.4	0.88	0.43	3.83
3,349.0	11.95	298.35	3,292.9	261.0	-467.0	534.9	0.23	0.23	-0.04
3,445.0	13.18	302.11	3,386.6	271.5	-485.0	555.7	1.54	1.28	3.92
3,540.0	12.48	299.87	3,479.2	282.4	-503.1	576.8	0.90	-0.74	-2.36
3,635.0	14.26	303.58	3,571.6	294.0	-521.8	598.8	2.08	1.87	3.91
3,729.0	13.01	304.08	3,663.0	306.3	-540.2	620.9	1.34	-1.33	0.53
3,825.0	12.52	303.93	3,756.6	318.1	-557.8	642.1	0.51	-0.51	-0.16
3,920.0	13.18	305.51	3,849.2	330.2	-575.1	663.1	0.79	0.69	1.66
4,015.0	12.81	306.51	3,941.8	342.7	-592.4	684.4	0.46	-0.39	1.05
4,110.0	11.80	301.97	4,034.6	354.2	-609.1	704.6	1.47	-1.06	-4.78
4,205.0	11.10	301.27	4,127.7	364.0	-625.2	723.4	0.75	-0.74	-0.74
4,300.0	11.30	301.93	4,220.9	373.7	-640.9	741.9	0.25	0.21	0.69
4,395.0	12.11	303.80	4,313.9	384.2	-657.1	761.1	0.94	0.85	1.97
4,489.0	12.22	303.86	4,405.8	395.2	-673.5	780.9	0.12	0.12	0.06
4,585.0	11.98	303.23	4,499.7	406.3	-690.3	801.0	0.29	-0.25	-0.66
4,680.0	12.35	301.47	4,592.6	417.0	-707.2	821.0	0.55	0.39	-1.85



Ensign Directional Survey Report

ENSIGN Directional

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 28
Well: M-28-8-17
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well M-28-8-17
TVD Reference: M-28-8-17 @ 5219.0ft (RIG #2)
MD Reference: M-28-8-17 @ 5219.0ft (RIG #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,775.0	11.87	302.52	4,685.5	427.6	-724.1	840.9	0.56	-0.51	1.11
4,871.0	12.24	304.06	4,779.3	438.6	-740.9	860.9	0.51	0.39	1.60
4,966.0	12.37	303.42	4,872.2	449.8	-757.7	881.2	0.20	0.14	-0.67
5,060.0	11.69	300.08	4,964.1	460.2	-774.3	900.7	1.03	-0.72	-3.55
5,155.0	11.55	297.33	5,057.1	469.4	-791.1	919.9	0.60	-0.15	-2.89
5,250.0	11.78	299.80	5,150.2	478.5	-808.0	939.1	0.58	0.24	2.60
5,346.0	12.02	301.07	5,244.1	488.6	-825.0	958.8	0.37	0.25	1.32
5,400.2	11.98	300.78	5,297.2	494.4	-834.7	970.1	0.13	-0.07	-0.53
M-28-8-17 TGT									
5,440.0	11.95	300.57	5,336.1	498.6	-841.8	978.4	0.13	-0.07	-0.53
5,536.0	12.33	301.92	5,429.9	509.0	-859.1	998.6	0.49	0.40	1.41
5,632.0	10.92	300.62	5,524.0	519.1	-875.6	1,017.9	1.49	-1.47	-1.35
5,727.0	11.29	300.02	5,617.2	528.3	-891.4	1,036.2	0.41	0.39	-0.63
5,822.0	11.12	300.11	5,710.4	537.6	-907.4	1,054.7	0.18	-0.18	0.09
5,917.0	12.17	298.68	5,803.4	547.0	-924.1	1,073.8	1.15	1.11	-1.51
6,011.0	10.70	294.24	5,895.5	555.3	-940.7	1,092.4	1.82	-1.56	-4.72
6,107.0	11.07	296.88	5,989.8	563.1	-957.1	1,110.5	0.65	0.39	2.75
6,202.0	9.91	295.36	6,083.2	570.8	-972.6	1,127.7	1.26	-1.22	-1.60
6,297.0	8.40	291.64	6,177.0	576.8	-986.4	1,142.7	1.71	-1.59	-3.92
6,392.0	7.05	288.62	6,271.1	581.2	-998.4	1,155.3	1.48	-1.42	-3.18
6,428.0	6.81	285.67	6,306.9	582.5	-1,002.6	1,159.5	1.19	-0.67	-8.19
6,488.0	6.81	285.67	6,366.5	584.5	-1,009.4	1,166.4	0.00	0.00	0.00

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
M-28-8-17 TGT	0.00	0.00	5,300.0	485.3	-824.6	7,204,446.37	2,056,674.16	40° 5' 18.836 N	110° 0' 43.570 W
- actual wellpath misses by 13.8ft at 5400.3ft MD (5297.2 TVD, 494.4 N, -834.7 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

H	HEADER	INFORMATION	-----					
H	COMPANY	:	NEWFIELD EXPLORATION					
H	FIELD	:	USGS	Myton	SW	(UT)		
H	SITE	:	SECTION		28			
H	WELL	:	M-28-8-17					
H	WELLPATH:	Wellbore	#1					
H	DEPTHUNT:	ft						
H	SURVDATE:	7/5/2009						
H	DECLINATION	CORR.						
H	=	10.59 TO	GRIDH-----					
H	WELL	INFORMATION						
H	WELL	EW	MAP	:	2057507			
H	WELL	NS	MAP	:	7203975			
H	DATUM	ELEVN	:	5219				
H	VSECT	ANGLE	:	300.48				
H	VSECT	NORTH	:	0				
H	VSECT	EAST	:	0				
H	-----							
H	SURVEY	TYPE	INFORMATION					
H		419 -	6488 SURVEY	#1	:	MWD		
H	-----							
H	SURVEY	LIST						
MD	INC	AZI	TVD	NS	EW	VS	DLS	
	0	0	0	0	0	0	0	
	419	0.07	343.06	419	0.24	-0.07	0.19	0.02
	450	0.26	53.73	450	0.3	-0.02	0.17	0.79
	481	0.29	319.09	481	0.41	-0.02	0.22	1.31
	511	0.81	309.16	511	0.6	-0.23	0.5	1.76
	542	1.45	304.85	541.99	0.96	-0.72	1.11	2.08
	572	2	309.97	571.98	1.51	-1.44	2.01	1.9
	603	2.57	310.85	602.95	2.31	-2.38	3.22	1.84
	634	2.94	309.16	633.92	3.27	-3.52	4.69	1.22
	664	3.46	309.41	663.87	4.33	-4.82	6.35	1.73
	695	3.89	306.04	694.81	5.54	-6.39	8.32	1.55
	726	4.35	308.87	725.73	6.9	-8.15	10.53	1.62
	756	4.68	304.96	755.63	8.32	-10.04	12.87	1.5
	787	5.14	305.01	786.52	9.84	-12.22	15.52	1.48
	817	5.32	307.09	816.39	11.45	-14.43	18.24	0.87
	848	5.7	306.4	847.25	13.23	-16.81	21.2	1.24
	879	6.1	302.4	878.09	15.02	-19.44	24.38	1.85
	909	6.4	303.6	907.91	16.8	-22.18	27.64	1.09
	941	6.7	300.5	939.7	18.74	-25.27	31.29	1.45
	972	7.1	301.6	970.48	20.66	-28.46	35.01	1.36
	1004	7.36	302.13	1002.22	22.79	-31.88	39.04	0.84
	1036	7.71	301.91	1033.94	25.01	-35.44	43.23	1.1
	1068	8.26	299.71	1065.63	27.28	-39.26	47.67	1.97
	1099	8.66	299.51	1096.3	29.54	-43.23	52.23	1.29

1132	9.1	300.46	1128.9	32.08	-47.64	57.33	1.41
1163	9.27	303.27	1159.5	34.7	-51.84	62.27	1.55
1195	9.71	303.12	1191.07	37.58	-56.25	67.54	1.38
1227	10.1	304.2	1222.59	40.64	-60.83	73.04	1.35
1259	10.7	304.7	1254.06	43.9	-65.6	78.8	1.9
1290	11.16	302.79	1284.5	47.17	-70.49	84.67	1.89
1322	11.4	302.79	1315.88	50.56	-75.75	90.92	0.75
1354	11.95	303.03	1347.22	54.08	-81.18	97.39	1.73
1449	13.07	300.92	1439.96	64.96	-98.65	117.96	1.27
1544	14.13	302.08	1532.3	76.64	-117.69	140.3	1.15
1639	14.59	301.82	1624.33	89.1	-137.68	163.85	0.49
1735	14.92	301.71	1717.17	101.97	-158.47	188.29	0.34
1829	14.8	301.22	1808.02	114.56	-179.03	212.4	0.18
1924	13.38	299.89	1900.16	126.32	-198.94	235.52	1.53
2019	13.21	297.01	1992.62	136.73	-218.14	257.35	0.72
2114	12.72	293.79	2085.2	145.88	-237.38	278.57	0.92
2208	11.53	294.01	2177.1	153.88	-255.43	298.18	1.27
2303	10.85	293.01	2270.29	161.24	-272.33	316.48	0.74
2398	11.29	291.49	2363.52	168.14	-289.22	334.53	0.56
2493	11.29	290.72	2456.68	174.84	-306.57	352.88	0.16
2589	11.42	292.12	2550.81	181.74	-324.16	371.55	0.32
2684	12.44	295.36	2643.75	189.66	-342.12	391.05	1.28
2779	13.4	302.52	2736.35	199.96	-360.65	412.24	1.96
2873	13.6	305.91	2827.76	212.3	-378.79	434.13	0.87
2969	13.49	302.3	2921.09	224.91	-397.39	456.56	0.89
3064	11.91	295.6	3013.77	235.06	-415.6	477.4	2.27
3159	11.32	294.75	3106.82	243.2	-432.91	496.44	0.65
3254	11.73	298.39	3199.91	251.7	-449.87	515.37	0.88
3349	11.95	298.35	3292.89	260.96	-467.02	534.85	0.23
3445	13.18	302.11	3386.59	271.5	-485.04	555.72	1.54
3540	12.48	299.87	3479.21	282.37	-503.12	576.82	0.9
3635	14.26	303.58	3571.64	293.95	-521.77	598.76	2.08
3729	13.01	304.08	3662.99	306.28	-540.18	620.89	1.34
3825	12.52	303.93	3756.61	318.15	-557.76	642.06	0.51
3920	13.18	305.51	3849.23	330.19	-575.12	663.12	0.79
4015	12.81	306.51	3941.8	342.74	-592.4	684.39	0.46
4110	11.8	301.97	4034.62	354.15	-609.11	704.57	1.47
4205	11.1	301.27	4127.73	364.04	-625.16	723.43	0.75
4300	11.3	301.93	4220.92	373.71	-640.88	741.87	0.25
4395	12.11	303.8	4313.94	384.18	-657.06	761.13	0.94
4489	12.22	303.86	4405.83	395.21	-673.51	780.9	0.12
4585	11.98	303.23	4499.7	406.33	-690.28	801	0.29
4680	12.35	301.47	4592.57	417.03	-707.2	821	0.55
4775	11.87	302.52	4685.45	427.59	-724.1	840.92	0.56
4871	12.24	304.06	4779.34	438.6	-740.86	860.95	0.51
4966	12.37	303.42	4872.15	449.84	-757.69	881.16	0.2
5060	11.69	300.08	4964.09	460.16	-774.34	900.74	1.03

5155	11.55	297.33	5057.14	469.35	-791.11	919.86	0.6
5250	11.78	299.8	5150.18	478.54	-807.98	939.05	0.58
5346	12.02	301.07	5244.12	488.57	-825.04	958.85	0.37
5440	11.95	300.57	5336.07	498.57	-841.81	978.37	0.13
5536	12.33	301.92	5429.92	509.04	-859.06	998.55	0.49
5632	10.92	300.62	5523.95	519.09	-875.59	1017.89	1.49
5727	11.29	300.02	5617.17	528.33	-891.39	1036.19	0.41
5822	11.12	300.11	5710.36	537.58	-907.36	1054.65	0.18
5917	12.17	298.68	5803.4	546.98	-924.07	1073.82	1.15
6011	10.7	294.24	5895.54	555.32	-940.72	1092.4	1.82
6107	11.07	296.88	5989.81	563.14	-957.07	1110.46	0.65
6202	9.91	295.36	6083.22	570.77	-972.59	1127.7	1.26
6297	8.4	291.64	6177.01	576.83	-986.43	1142.7	1.71
6392	7.05	288.62	6271.15	581.25	-998.41	1155.26	1.48
6428	6.81	285.67	6306.88	582.53	-1002.56	1159.49	1.19
6488	6.81	285.67	6366.46	584.45	-1009.41	1166.37	0